

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061219\
 Data File : VD062666.D
 Acq On : 12 Jun 2019 11:12
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 13 07:22:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	814569	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1057504	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	918437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	488116	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	602691	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
35) Dibromofluoromethane	6.91	113	593471	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	
50) Toluene-d8	10.41	98	1281266	54.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.22%	
62) 4-Bromofluorobenzene	13.55	95	543190	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	403389	42.194	ug/l	98
3) Chloromethane	1.75	50	367087	45.545	ug/l	100
4) Vinyl Chloride	1.84	62	378590	45.552	ug/l	97
5) Bromomethane	2.15	94	183252	43.681	ug/l	99
6) Chloroethane	2.26	64	180519	43.993	ug/l	94
7) Trichlorofluoromethane	2.53	101	801478	43.084	ug/l	98
8) Diethyl Ether	2.86	74	127957	50.573	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.13	101	464909	46.341	ug/l	95
10) Methyl Iodide	3.30	142	559535	39.349	ug/l	98
11) Tert butyl alcohol	3.99	59	6788	14.049	ug/l	96
12) 1,1-Dichloroethene	3.12	96	359617	49.949	ug/l	98
13) Acrolein	3.02	56	38594	248.326	ug/l	94
14) Allyl chloride	3.61	41	522887	47.234	ug/l	92
15) Acrylonitrile	4.18	53	268001	244.097	ug/l	92
16) Acetone	3.21	43	606681	281.866	ug/l	99
17) Carbon Disulfide	3.37	76	1022654	48.201	ug/l	98
18) Methyl Acetate	3.63	43	155544	43.973	ug/l	96
19) Methyl tert-butyl Ether	4.23	73	855774	48.736	ug/l	98
20) Methylene Chloride	3.80	84	364388	44.762	ug/l	90
21) trans-1,2-Dichloroethene	4.20	96	372826	47.209	ug/l	97
22) Diisopropyl ether	5.11	45	1147985	49.943	ug/l	98
23) Vinyl Acetate	5.05	43	3585109	251.407	ug/l	97
24) 1,1-Dichloroethane	4.97	63	690366	46.686	ug/l	99
25) 2-Butanone	6.06	43	564084	268.634	ug/l	96
26) 2,2-Dichloropropane	6.01	77	888908	52.158	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	428081	50.001	ug/l	99
28) Bromochloromethane	6.43	49	286107	50.615	ug/l	94
29) Tetrahydrofuran	6.45	42	228428	241.565	ug/l	99
30) Chloroform	6.65	83	929139	48.973	ug/l	95
31) Cyclohexane	6.94	56	460555	49.650	ug/l	94
32) 1,1,1-Trichloroethane	6.86	97	939242	49.752	ug/l	97
36) 1,1-Dichloropropene	7.14	75	599895	49.565	ug/l	96
37) Ethyl Acetate	6.17	43	241784	46.928	ug/l #	93
38) Carbon Tetrachloride	7.10	117	1039989	54.364	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	523536	53.529	ug/l	90
40) Benzene	7.44	78	1166478	49.352	ug/l	100
41) Methacrylonitrile	6.44	41	317988	50.190	ug/l	93
42) 1,2-Dichloroethane	7.57	62	708873	50.317	ug/l	96
43) Isopropyl Acetate	9.23	43	333784	52.267	ug/l	97
44) Trichloroethene	8.53	130	488800	50.940	ug/l	98
45) 1,2-Dichloropropane	8.93	63	296271	52.185	ug/l	99
46) Dibromomethane	9.06	93	267543	53.089	ug/l	93
47) Bromodichloromethane	9.36	83	696064	50.775	ug/l	99
48) Methyl methacrylate	9.12	41	229056	49.648	ug/l #	82
49) 1,4-Dioxane	9.08	88	41375	1002.738	ug/l #	89
51) 4-Methyl-2-Pentanone	10.30	43	1160966	259.811	ug/l	98
52) Toluene	10.50	92	828529	52.148	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	586680	52.197	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	617287	53.138	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	279308	51.262	ug/l	96
56) Ethyl methacrylate	11.04	69	287694	44.309	ug/l	90
57) 1,3-Dichloropropane	11.40	76	417559	49.445	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.84	63	590176	202.660	ug/l	97
59) 2-Hexanone	11.53	43	907673	273.071	ug/l	99
60) Dibromochloromethane	11.68	129	558213	51.899	ug/l	97
61) 1,2-Dibromoethane	11.79	107	331674	50.862	ug/l	92
64) Tetrachloroethene	11.25	164	429560	49.963	ug/l	96
65) Chlorobenzene	12.39	112	1034739	50.934	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	491561	50.733	ug/l	99
67) Ethyl Benzene	12.52	91	1829293	50.786	ug/l	99
68) m/p-Xylenes	12.66	106	1280669	101.136	ug/l	98
69) o-Xylene	13.04	106	626672	53.886	ug/l	92
70) Styrene	13.06	104	1053537	50.772	ug/l	99
71) Bromoform	13.23	173	358161	48.289	ug/l	96
73) Isopropylbenzene	13.40	105	1679914	48.828	ug/l	98
74) N-amyl acetate	13.26	43	506291	54.451	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	312661	53.111	ug/l	96
76) 1,2,3-Trichloropropane	13.72	75	341373	51.580	ug/l	96
77) Bromobenzene	13.66	156	529201	53.816	ug/l	94
78) n-propylbenzene	13.77	91	2134702	50.689	ug/l	94
79) 2-Chlorotoluene	13.83	91	1247011	50.572	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	1533260	50.425	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	91595	46.927	ug/l	94
82) 4-Chlorotoluene	13.94	91	1497913	50.796	ug/l	95
83) tert-Butylbenzene	14.19	119	1903321	56.753	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	1694781	56.294	ug/l	98
85) sec-Butylbenzene	14.36	105	1864927	53.031	ug/l	98
86) p-Isopropyltoluene	14.48	119	1752884	51.195	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	891922	50.068	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	898982	53.398	ug/l	97
89) n-Butylbenzene	14.80	91	1614868	52.426	ug/l	96
90) Hexachloroethane	15.00	117	493177	54.560	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	769826	51.986	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	62282	49.530	ug/l #	46

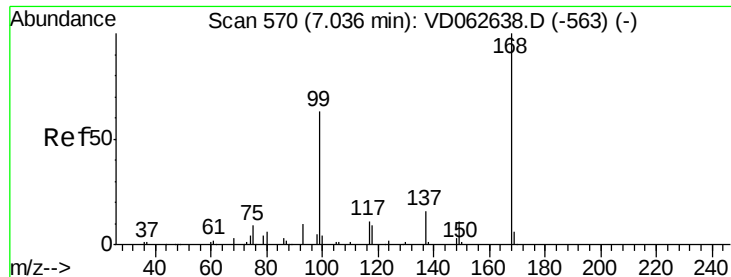
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061219\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	584090	46.746	ug/l	99
94) Hexachlorobutadiene	16.04	225	451872	51.684	ug/l	99
95) Naphthalene	16.12	128	814474	46.263	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	449153	52.659	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

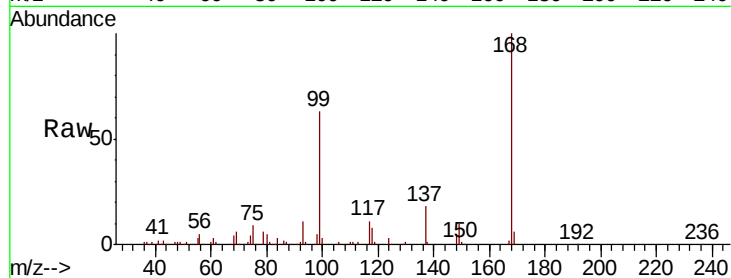
VSTDCCC050

Tot Ion:168 Resp: 814569

Ion Ratio Lower Upper

168 100

99 62.6 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

250000

200000

150000

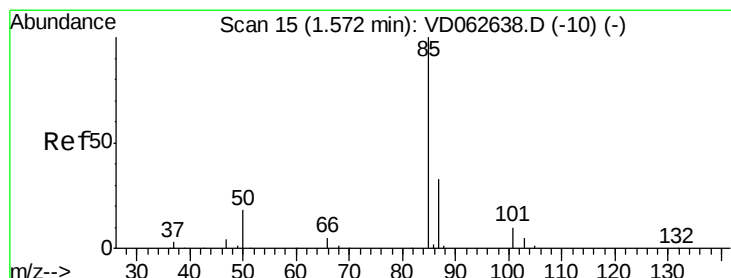
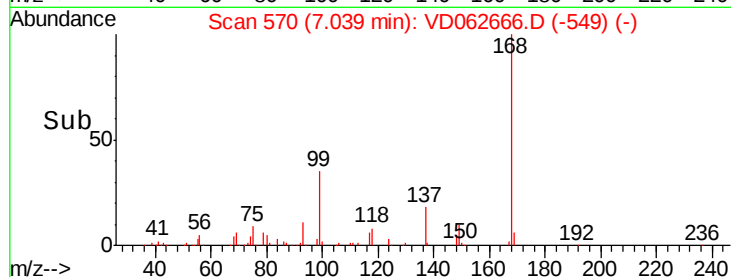
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 42.194 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062666.D

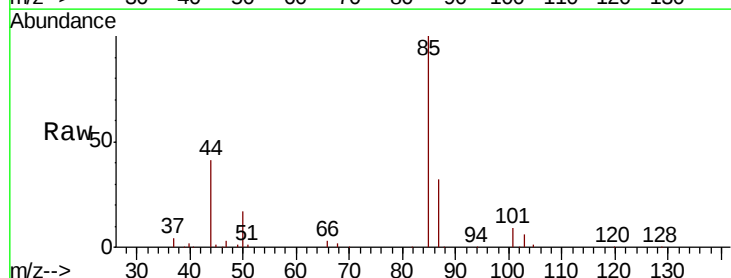
Acq: 12 Jun 2019 11:12

Tgt Ion: 85 Resp: 403389

Ion Ratio Lower Upper

85 100

87 31.9 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

150000

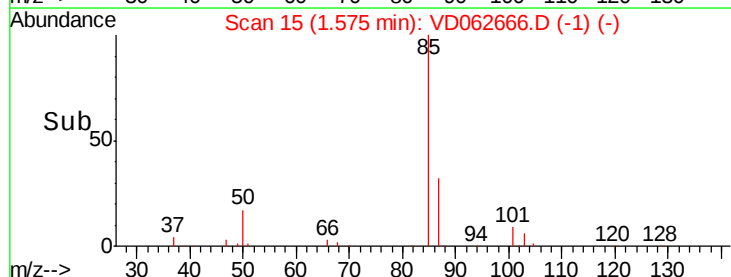
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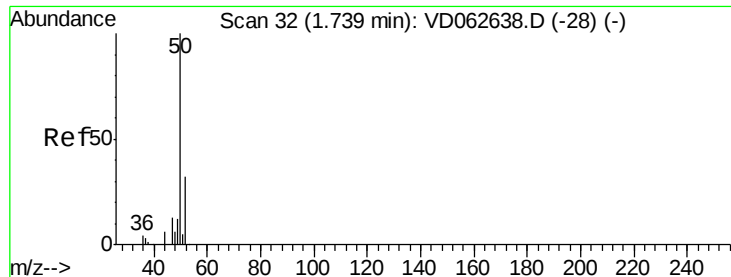
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 45.545 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

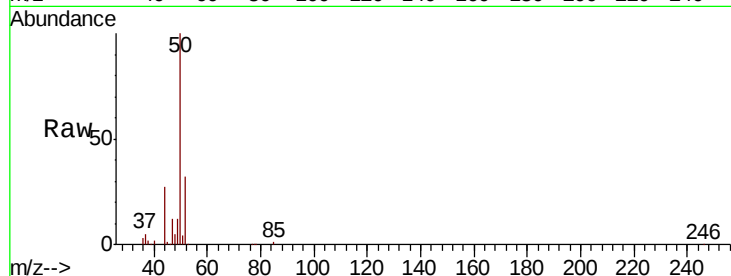
VSTDCCC050

Tot Ion: 50 Resp: 367087

Ion Ratio Lower Upper

50 100

52 32.4 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

120000

100000

80000

60000

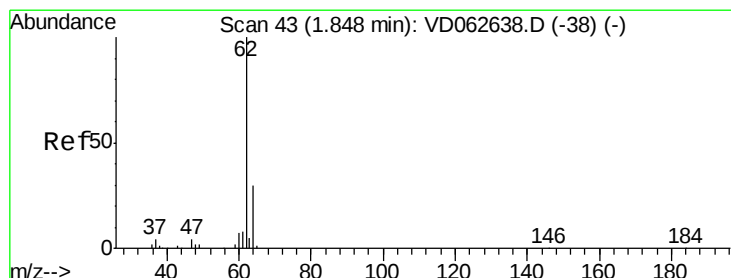
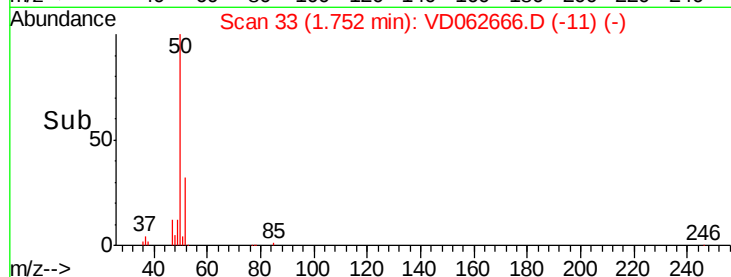
40000

20000

0

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 45.552 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD062666.D

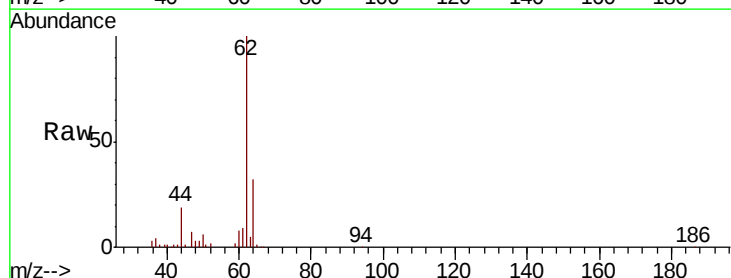
Acq: 12 Jun 2019 11:12

Tgt Ion: 62 Resp: 378590

Ion Ratio Lower Upper

62 100

64 31.8 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

150000

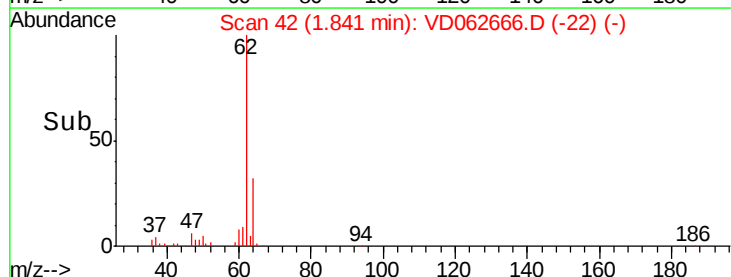
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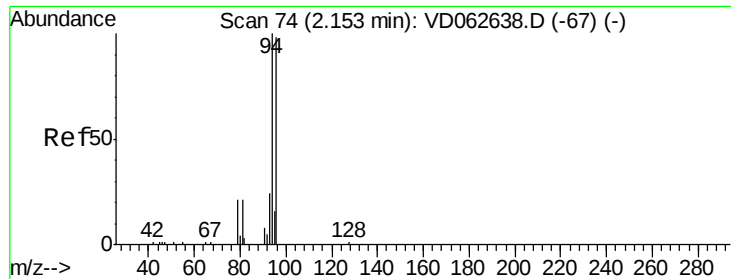
50000

0

1.70 1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 43.681 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

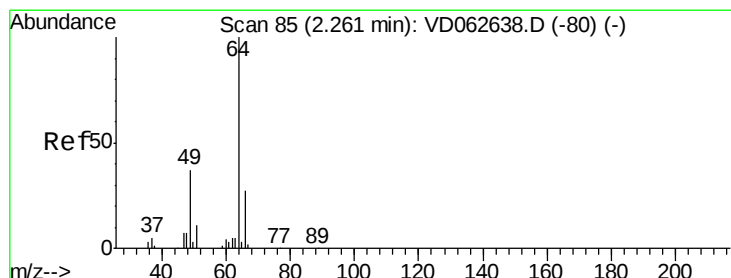
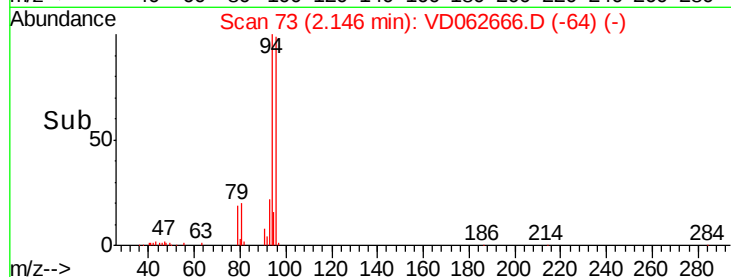
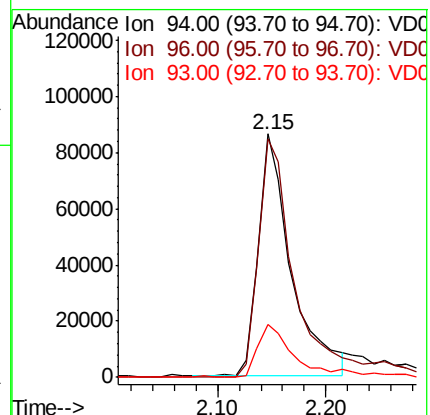
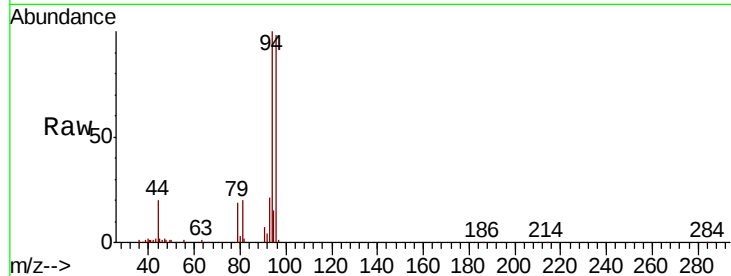
Tot Ion: 94 Resp: 183252

Ion Ratio Lower Upper

94 100

96 97.7 78.1 117.1

93 21.5 19.6 29.4



#6

Chloroethane

Concen: 43.993 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VD062666.D

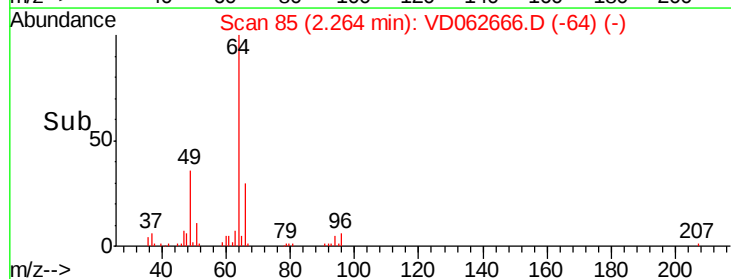
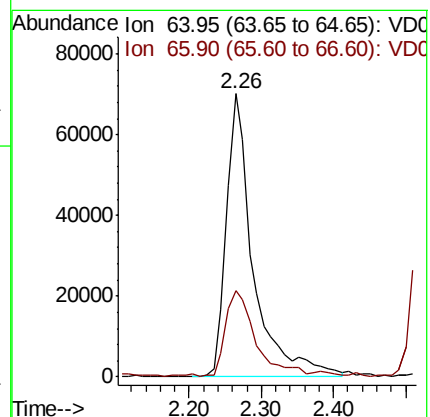
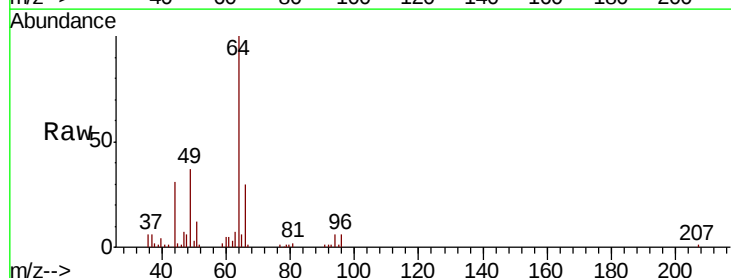
Acq: 12 Jun 2019 11:12

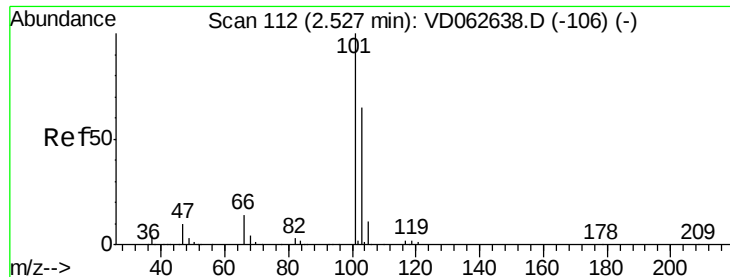
Tgt Ion: 64 Resp: 180519

Ion Ratio Lower Upper

64 100

66 30.4 21.9 32.9



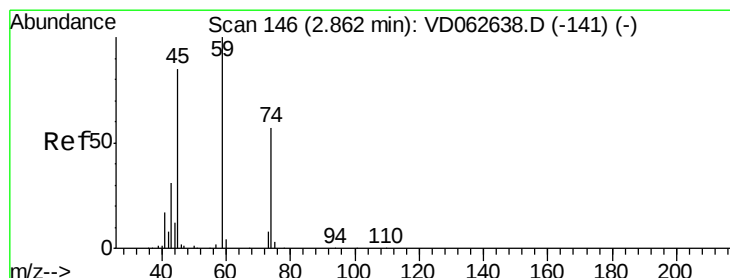
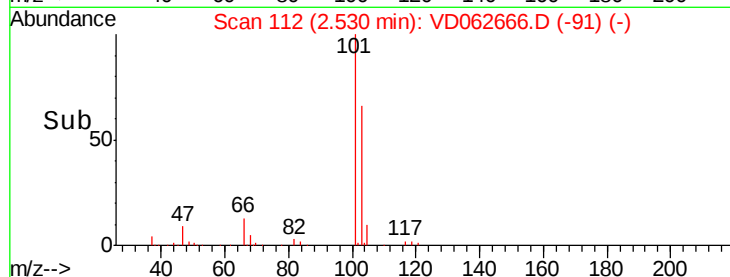
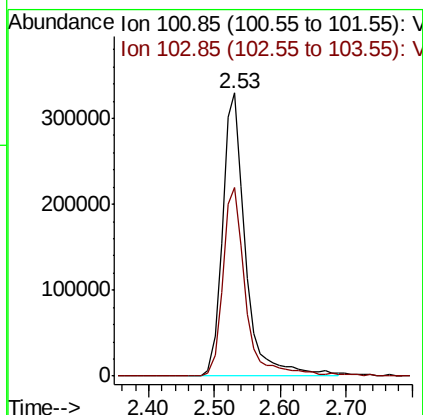
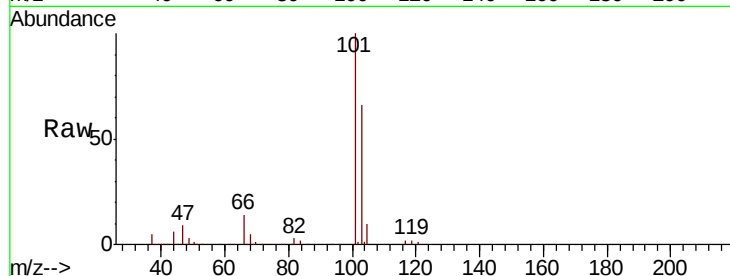


#7

Trichlorofluoromethane
Concen: 43.084 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.00 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

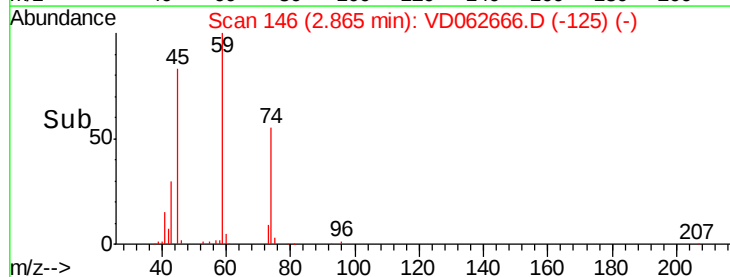
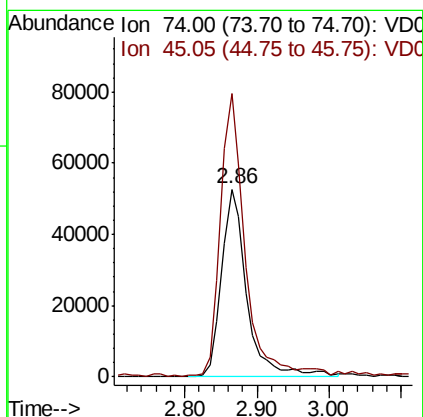
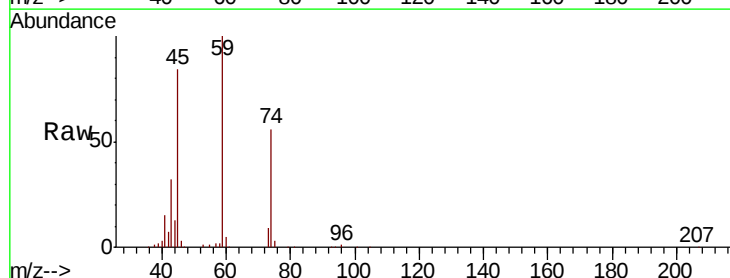
Tot Ion:101 Resp: 801478
Ion Ratio Lower Upper
101 100
103 66.5 52.2 78.2

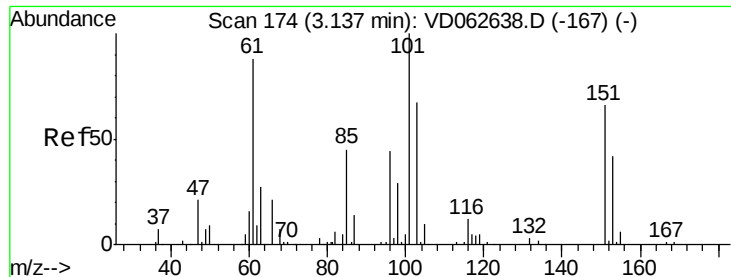


#8

Diethyl Ether
Concen: 50.573 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion: 74 Resp: 127957
Ion Ratio Lower Upper
74 100
45 150.9 74.9 224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.341 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

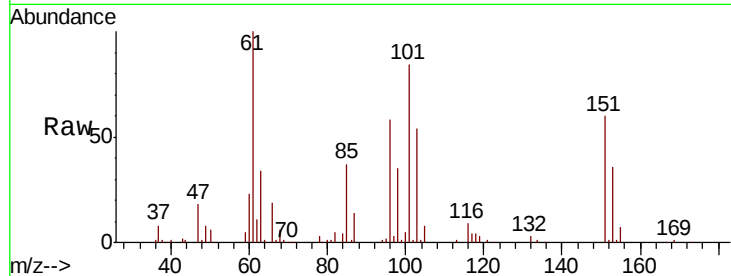
Tot Ion:101 Resp: 464909

Ion Ratio Lower Upper

101 100

85 44.7 36.0 54.0

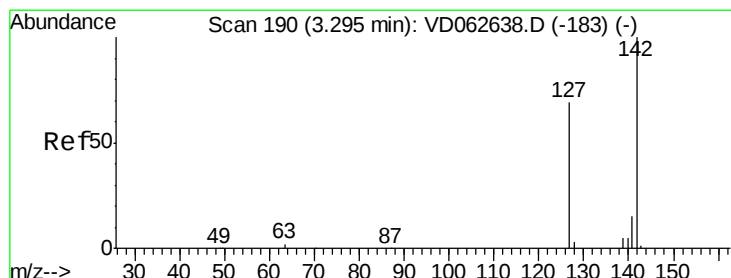
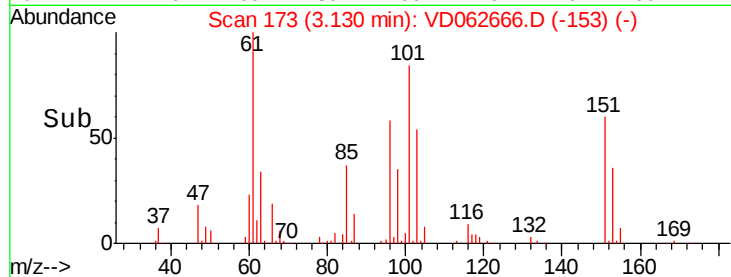
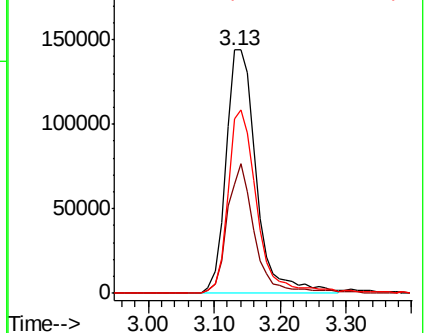
151 71.9 52.6 79.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 39.349 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.00 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

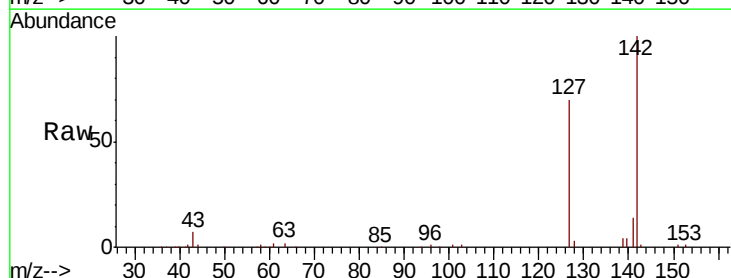
Tgt Ion:142 Resp: 559535

Ion Ratio Lower Upper

142 100

127 70.0 55.2 82.8

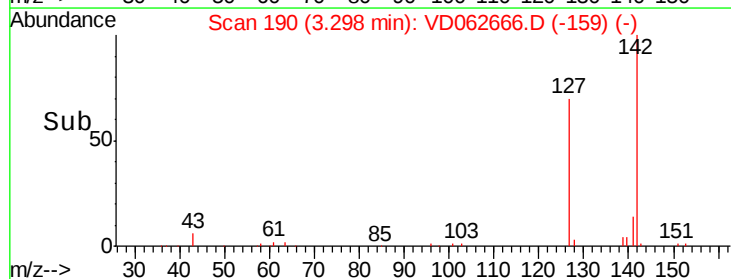
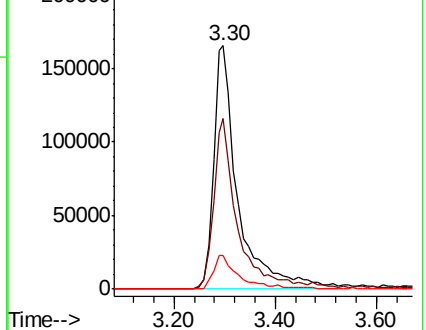
141 13.8 12.1 18.1

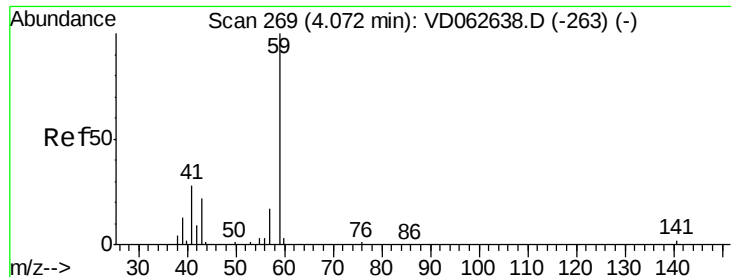


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

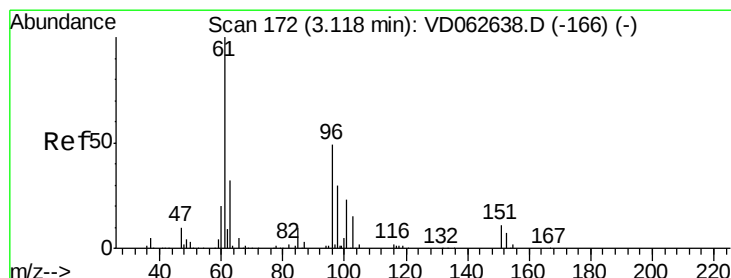
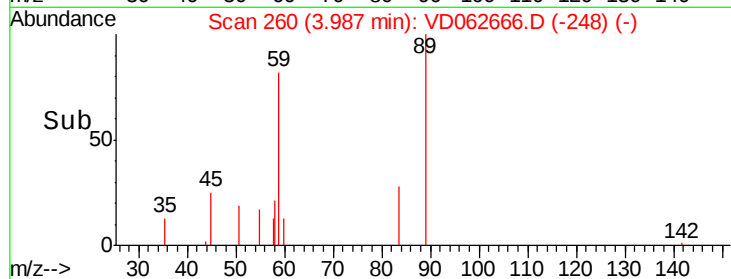
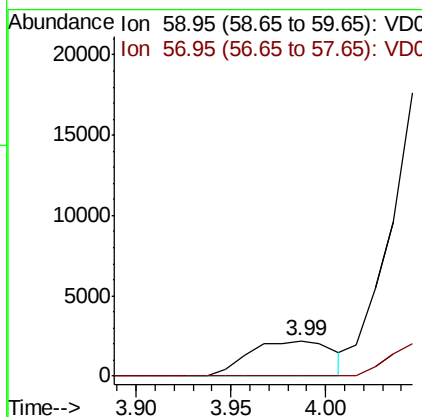
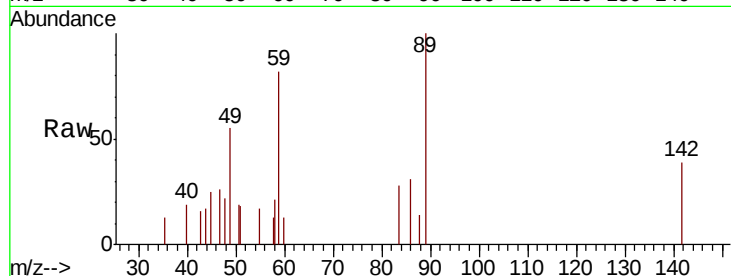




#11
Tert butyl alcohol
Concen: 14.049 ug/l
RT: 3.99 min Scan# 260
Delta R.T. -0.09 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

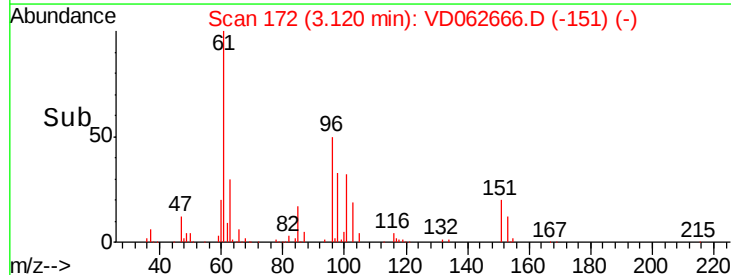
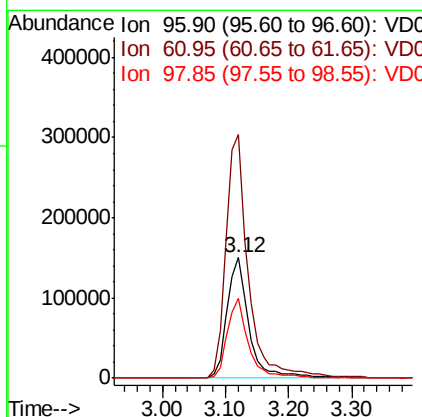
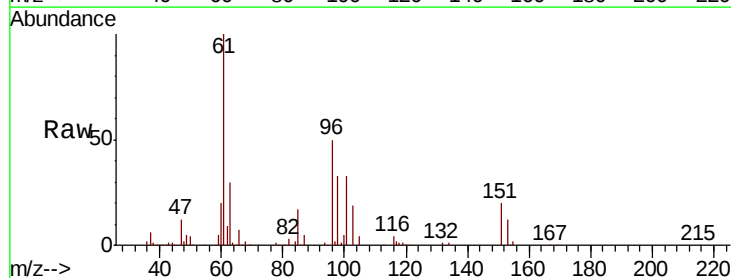
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

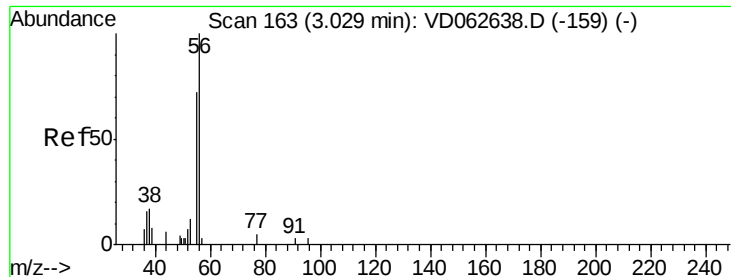
Tot Ion: 59 Resp: 6788
Ion Ratio Lower Upper
59 100
57 15.3 13.7 20.5



#12
1,1-Dichloroethene
Concen: 49.949 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.00 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion: 96 Resp: 359617
Ion Ratio Lower Upper
96 100
61 201.9 161.8 242.8
98 65.9 48.2 72.4





#13

Acrolein

Concen: 248.326 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

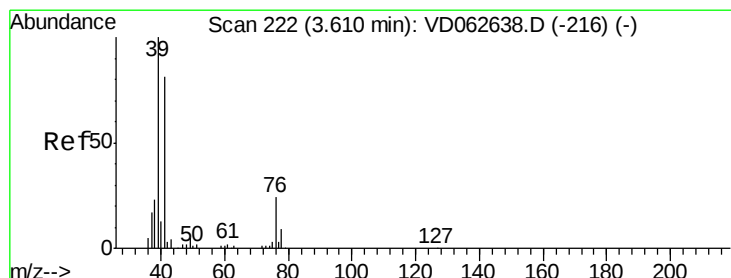
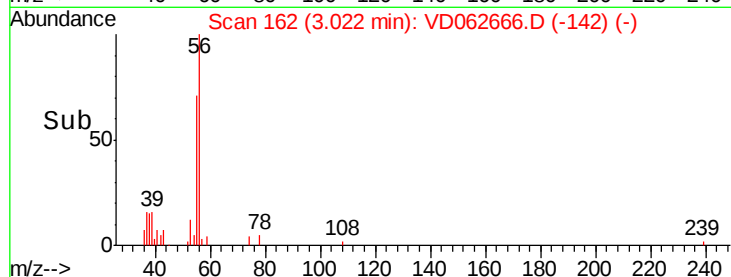
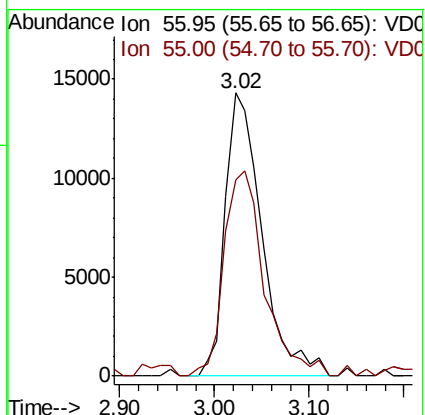
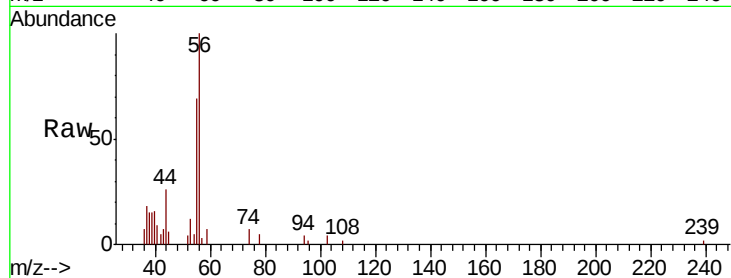
VSTDCCC050

Tot Ion: 56 Resp: 38594

Ion Ratio Lower Upper

56 100

55 69.3 59.4 89.0



#14

Allyl chloride

Concen: 47.234 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

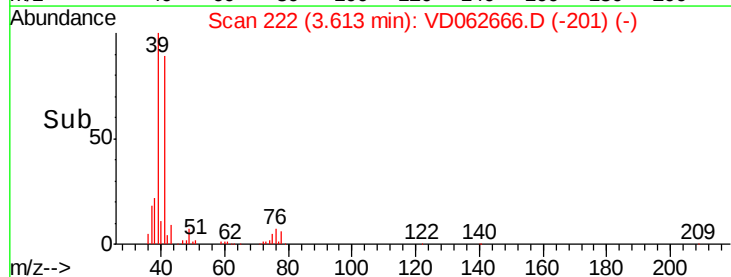
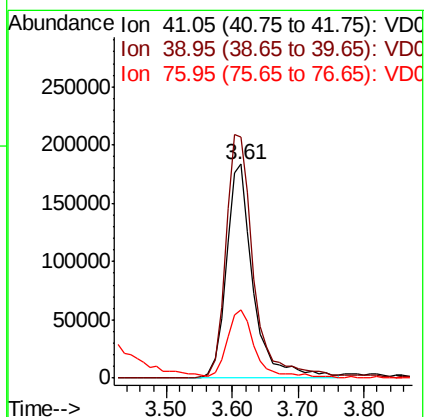
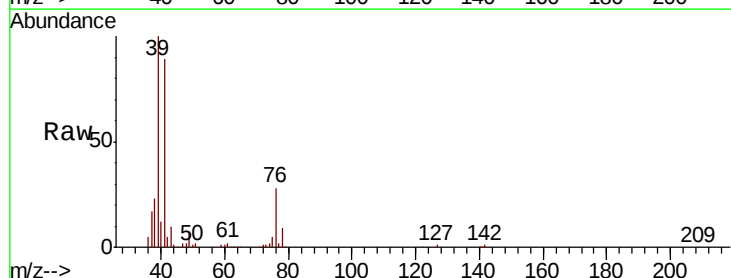
Tgt Ion: 41 Resp: 522887

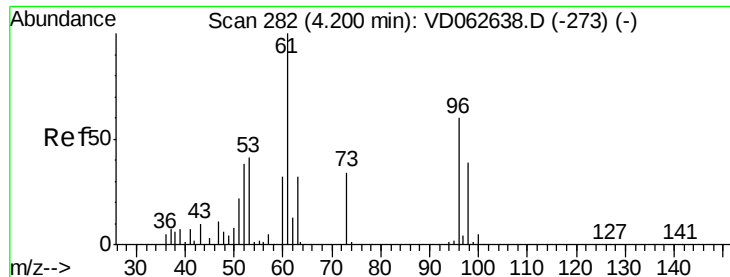
Ion Ratio Lower Upper

41 100

39 112.9 99.1 148.7

76 31.7 25.0 37.6





#15

Acrylonitrile

Concen: 244.097 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.02 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

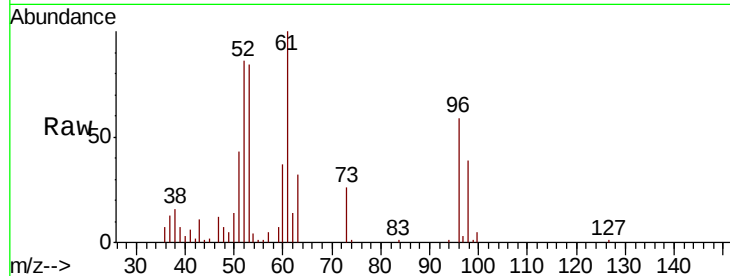
Tot Ion: 53 Resp: 268001

Ion Ratio Lower Upper

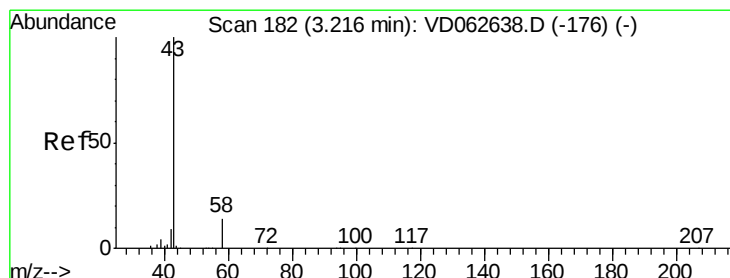
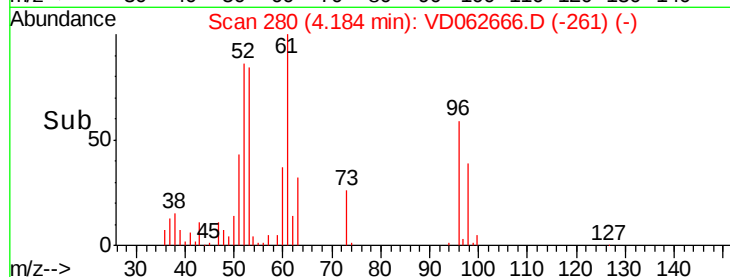
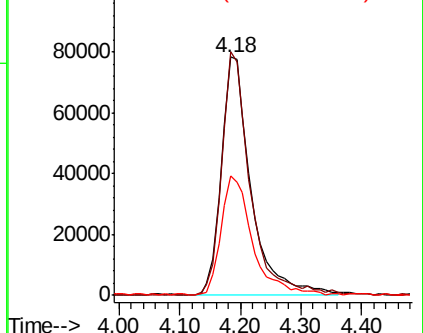
53 100

52 102.3 73.6 110.4

51 50.5 42.0 63.0



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 281.866 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD062666.D

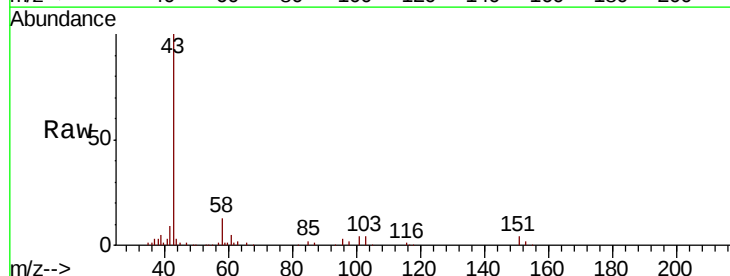
Acq: 12 Jun 2019 11:12

Tgt Ion: 43 Resp: 606681

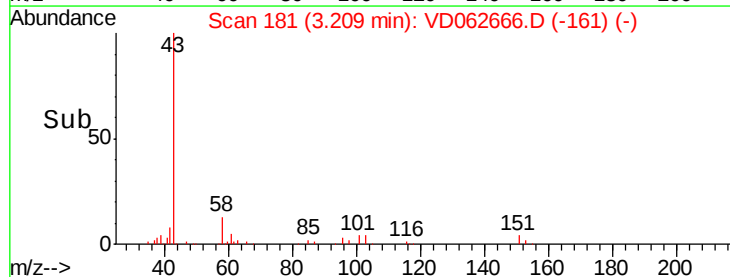
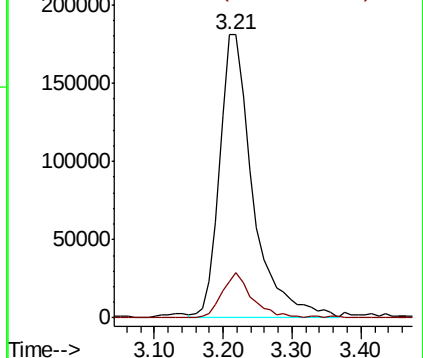
Ion Ratio Lower Upper

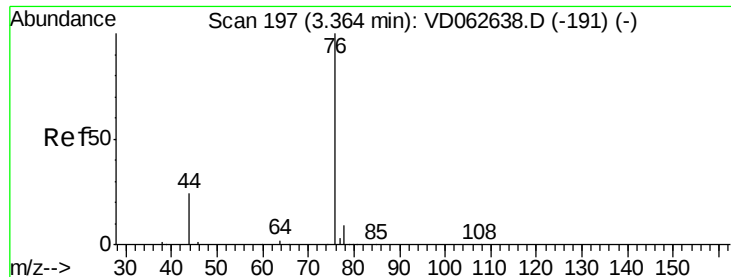
43 100

58 13.0 10.8 16.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

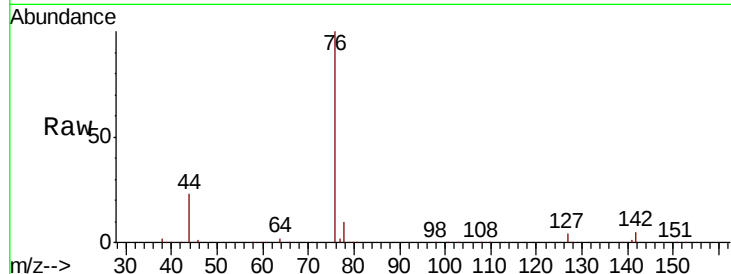




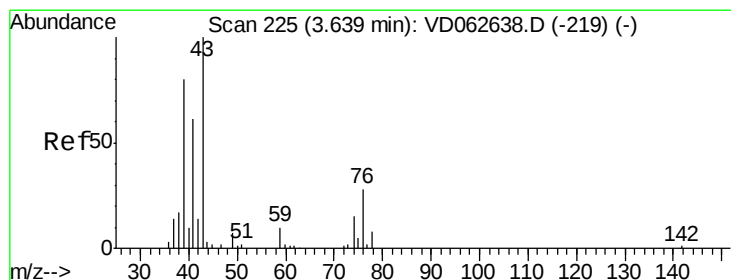
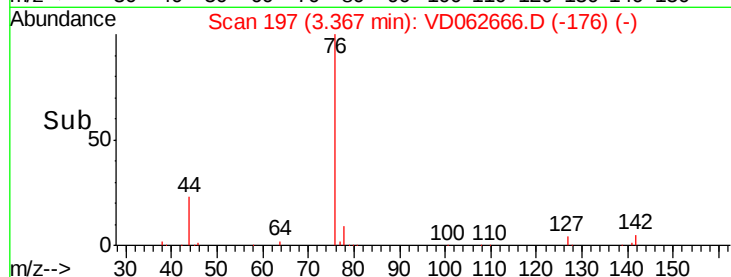
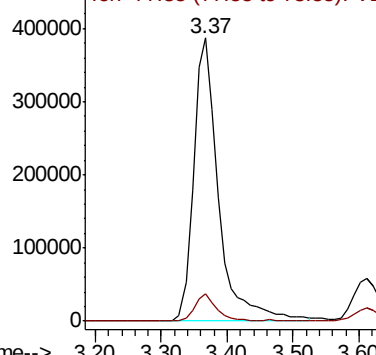
#17
Carbon Disulfide
Concen: 48.201 ug/l
RT: 3.37 min Scan# 197
Delta R.T. 0.00 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1022654
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.4

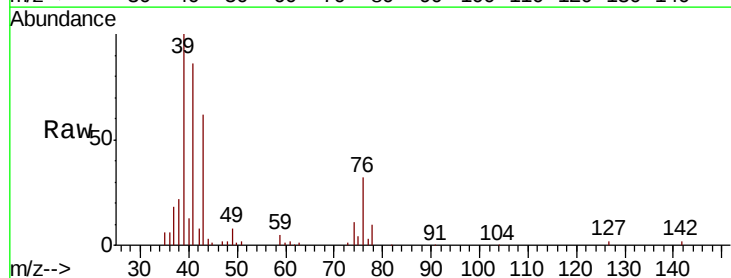


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

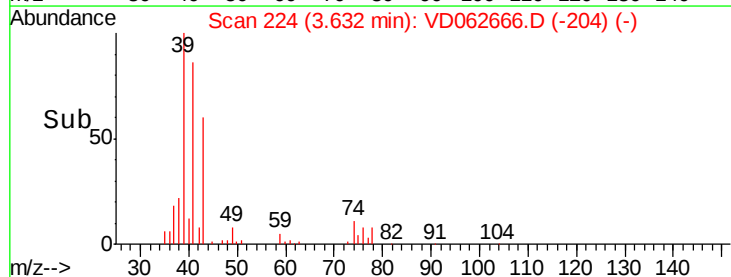
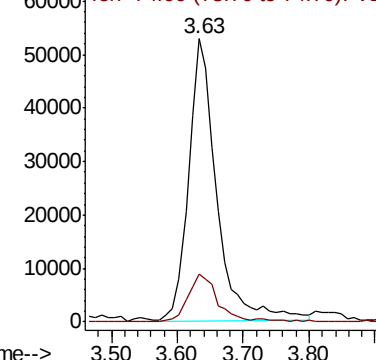


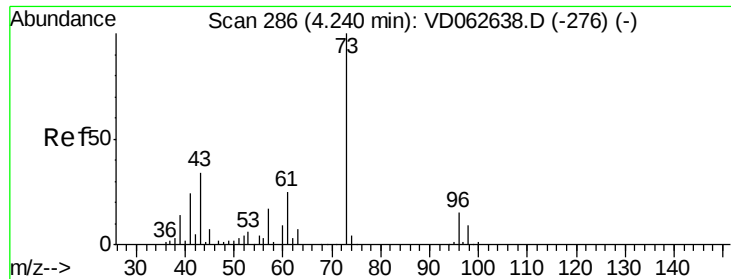
#18
Methyl Acetate
Concen: 43.973 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion: 43 Resp: 155544
Ion Ratio Lower Upper
43 100
74 16.9 12.1 18.1



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

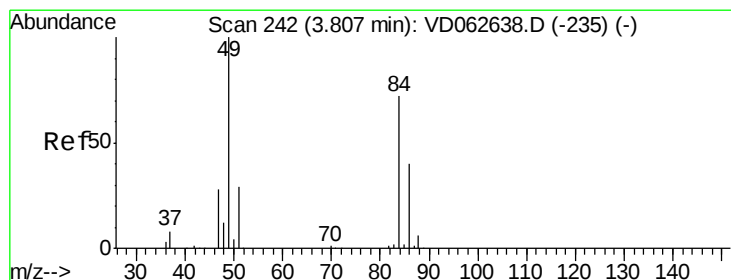
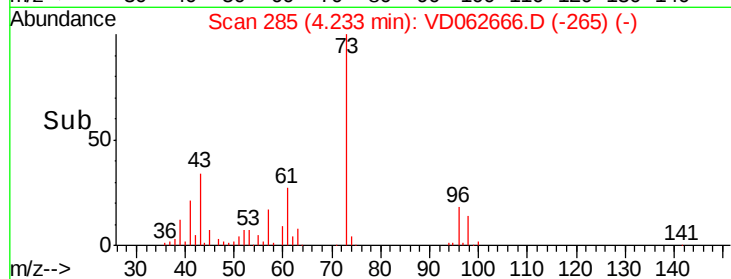
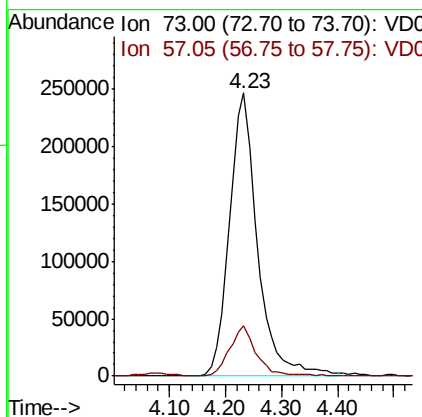
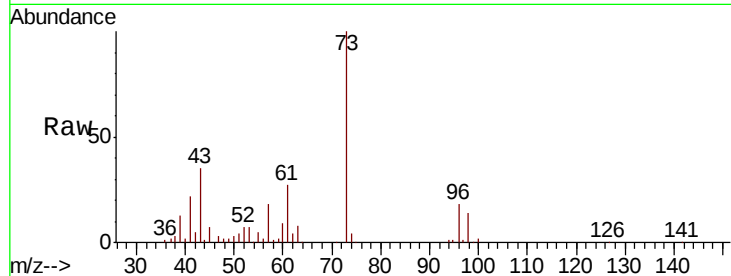




#19
Methyl tert-butyl Ether
Concen: 48.736 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

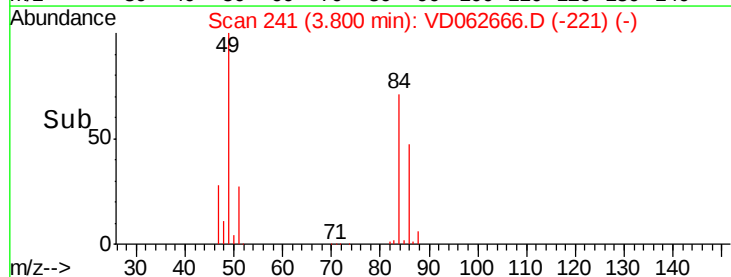
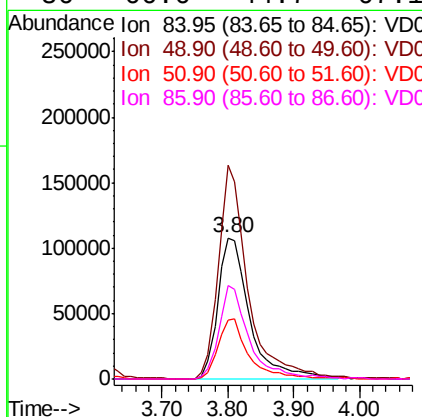
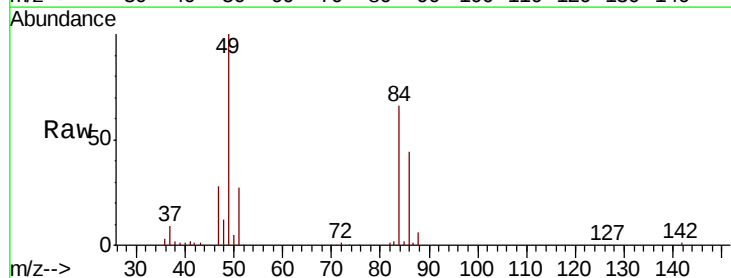
Instrument :
MSVOA_D
ClientSampled :
VSTDCCC050

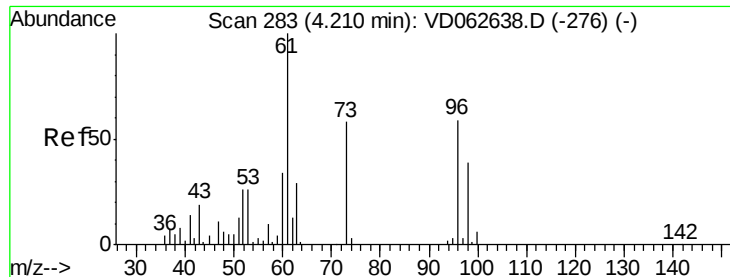
Tot Ion: 73 Resp: 855774
Ion Ratio Lower Upper
73 100
57 17.7 13.5 20.3



#20
Methylene Chloride
Concen: 44.762 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion: 84 Resp: 364388
Ion Ratio Lower Upper
84 100
49 151.5 111.2 166.8
51 41.5 31.9 47.9
86 66.6 44.7 67.1





#21

trans-1,2-Dichloroethene

Concen: 47.209 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

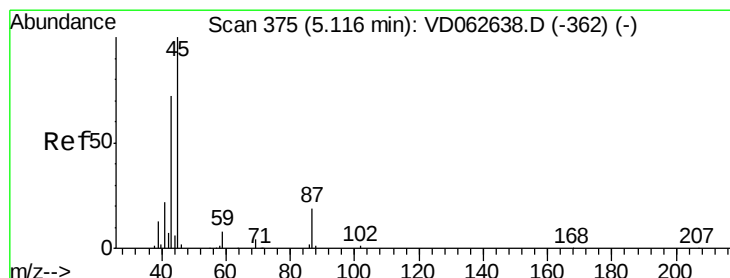
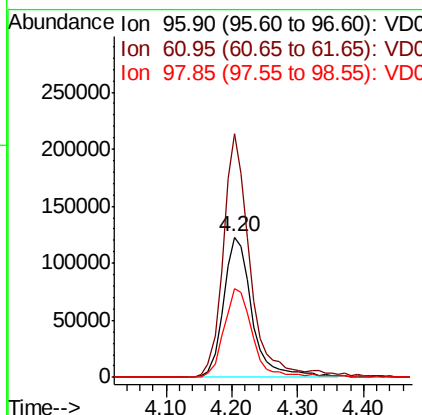
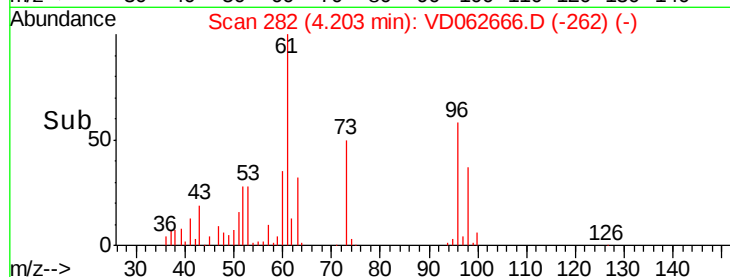
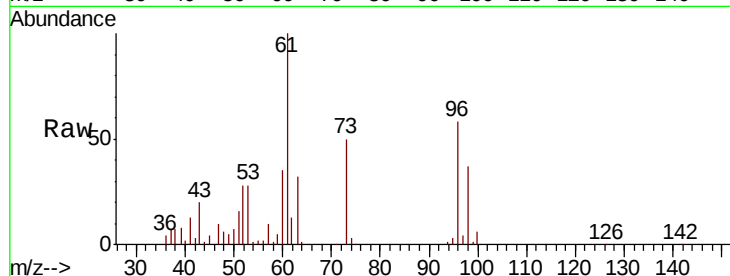
Tot Ion: 96 Resp: 372826

Ion Ratio Lower Upper

96 100

61 173.8 134.6 201.8

98 63.6 51.8 77.8



#22

Diisopropyl ether

Concen: 49.943 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Tgt Ion: 45 Resp: 1147985

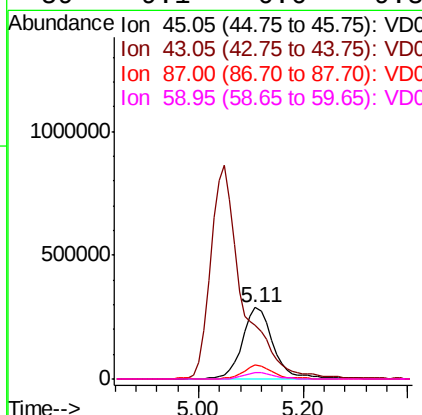
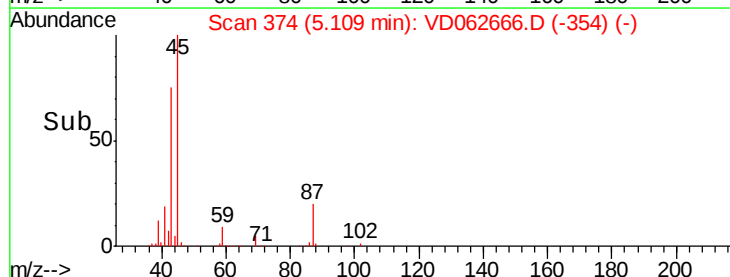
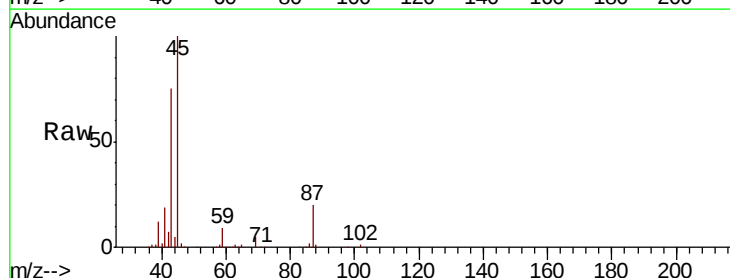
Ion Ratio Lower Upper

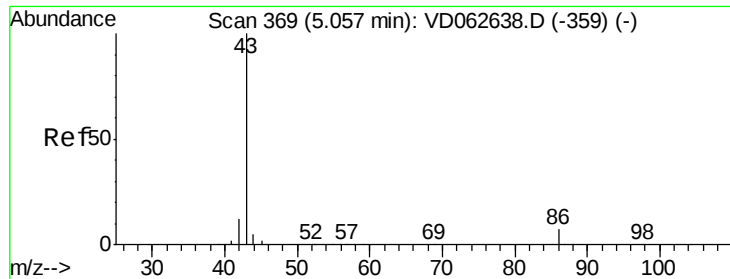
45 100

43 75.1 58.8 88.2

87 19.9 15.7 23.5

59 9.1 6.6 9.8





#23

Vinyl Acetate

Concen: 251.407 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

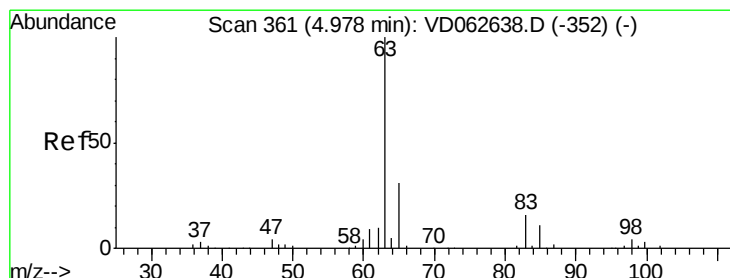
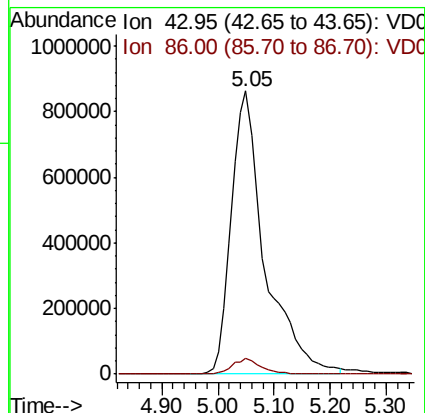
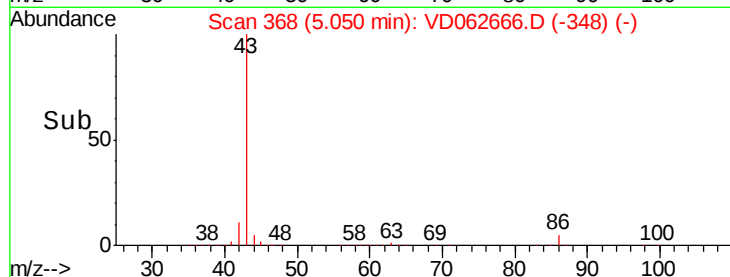
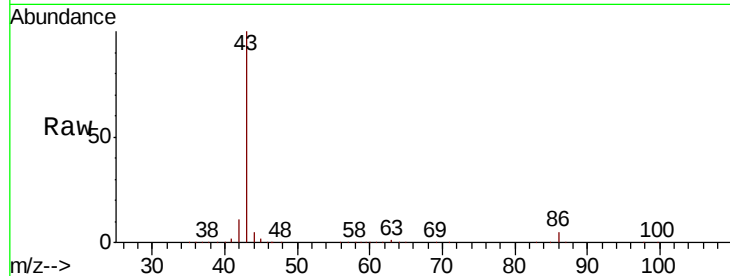
VSTDCCC050

Tot Ion: 43 Resp: 3585109

Ion Ratio Lower Upper

43 100

86 5.4 5.3 7.9



#24

1,1-Dichloroethane

Concen: 46.686 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

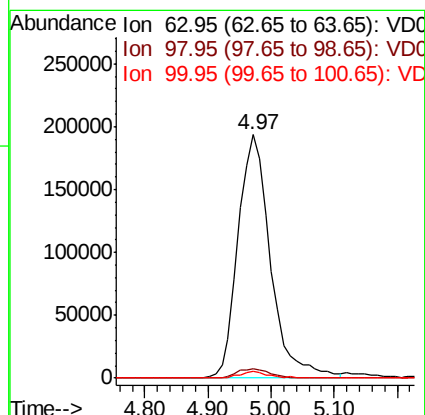
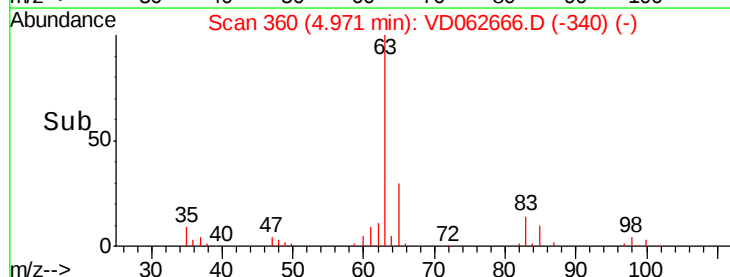
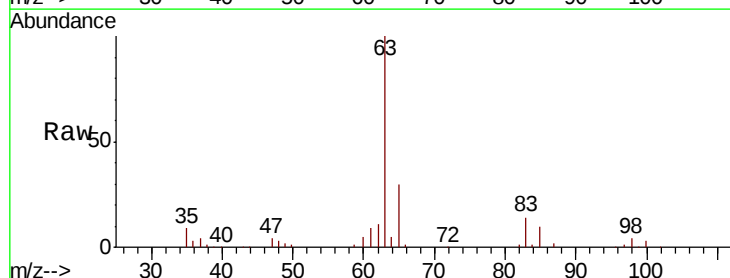
Tgt Ion: 63 Resp: 690366

Ion Ratio Lower Upper

63 100

98 3.9 1.8 5.4

100 2.8 1.5 4.4





#25

2-Butanone

Concen: 268.634 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

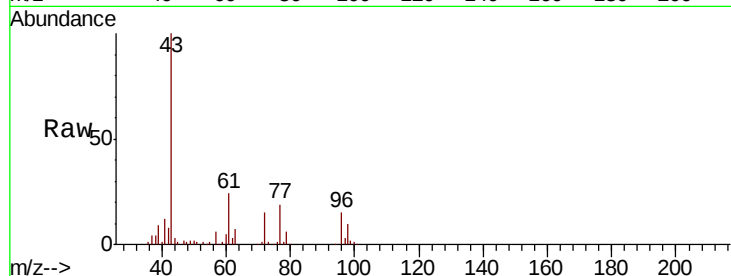
VSTDCCC050

Tot Ion: 43 Resp: 564084

Ion Ratio Lower Upper

43 100

72 15.2 13.5 20.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.06

200000

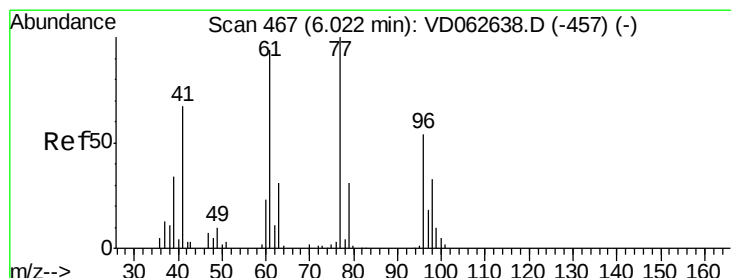
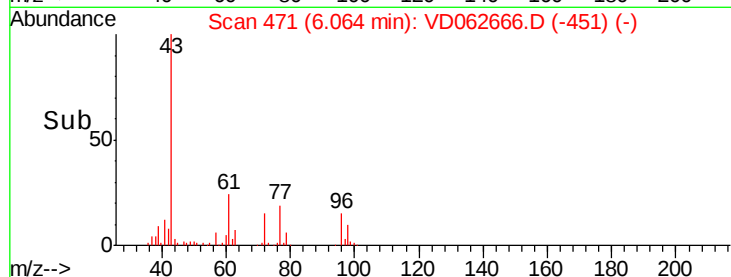
150000

100000

50000

0

Time--> 5.90 6.00 6.10



#26

2,2-Dichloropropane

Concen: 52.158 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD062666.D

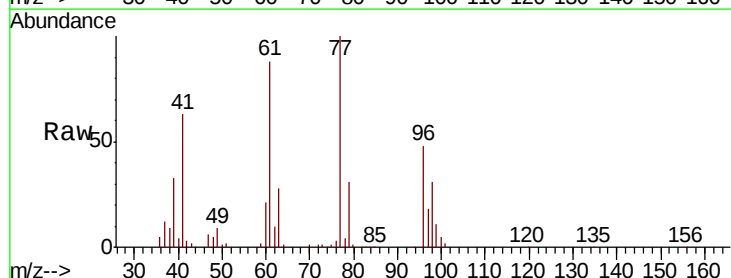
Acq: 12 Jun 2019 11:12

Tgt Ion: 77 Resp: 888908

Ion Ratio Lower Upper

77 100

97 18.1 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.01

250000

200000

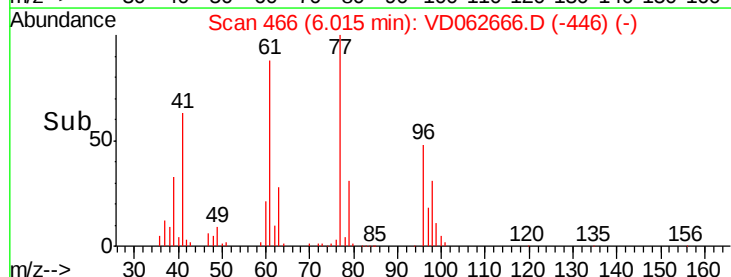
150000

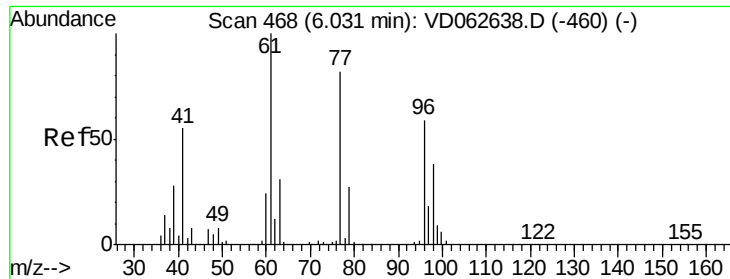
100000

50000

0

Time--> 5.80 5.90 6.00 6.10 6.20

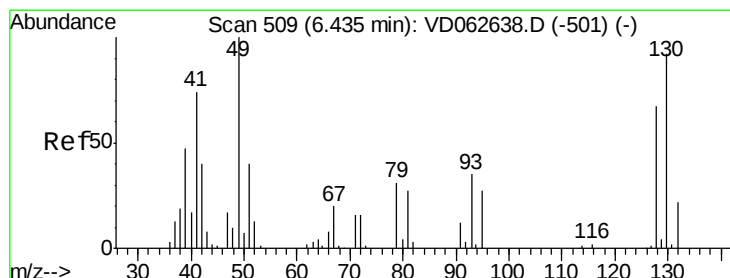
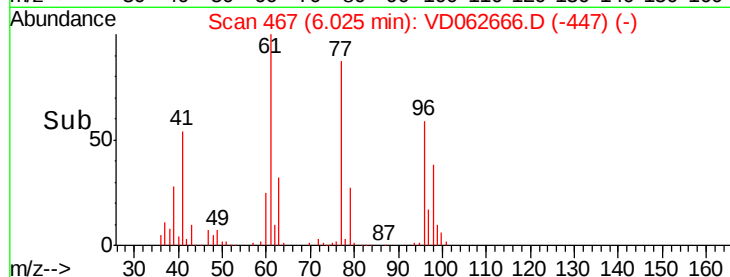
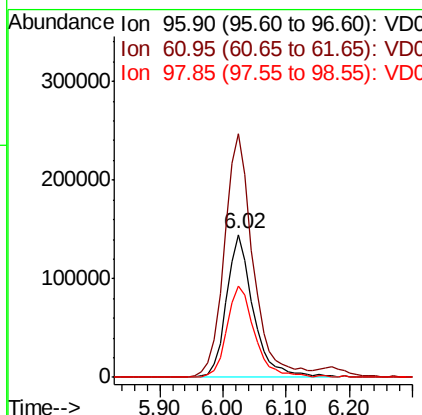
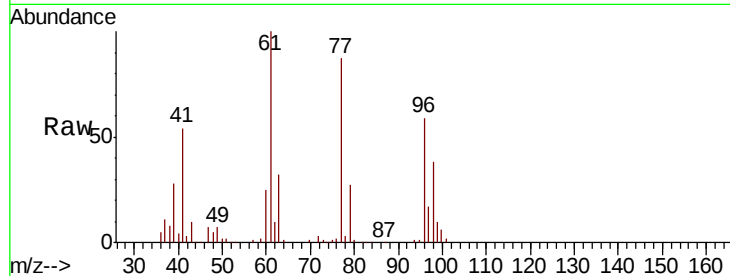




#27
 cis-1,2-Dichloroethene
 Concen: 50.001 ug/l
 RT: 6.02 min Scan# 467
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

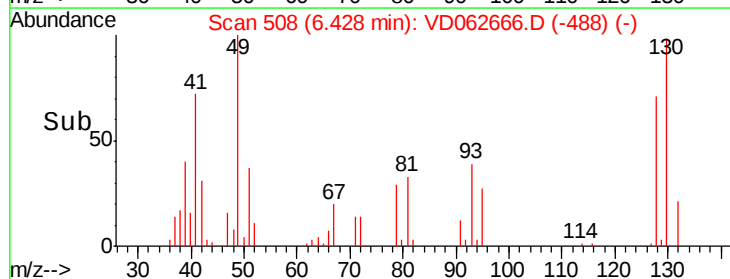
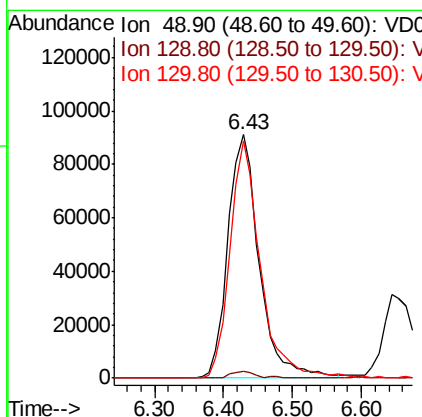
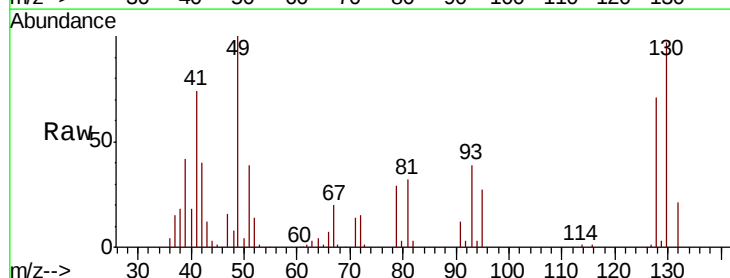
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 428081
 Ion Ratio Lower Upper
 96 100
 61 170.9 0.0 340.0
 98 64.3 0.0 127.6



#28
 Bromochloromethane
 Concen: 50.615 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

Tgt Ion: 49 Resp: 286107
 Ion Ratio Lower Upper
 49 100
 129 3.1 0.0 8.2
 130 97.3 73.4 110.0





#29

Tetrahydrofuran

Concen: 241.565 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

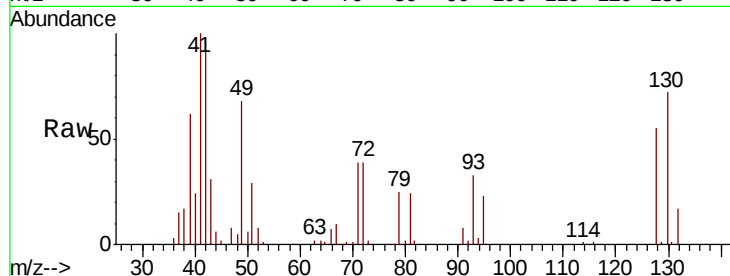
Tot Ion: 42 Resp: 228428

Ion Ratio Lower Upper

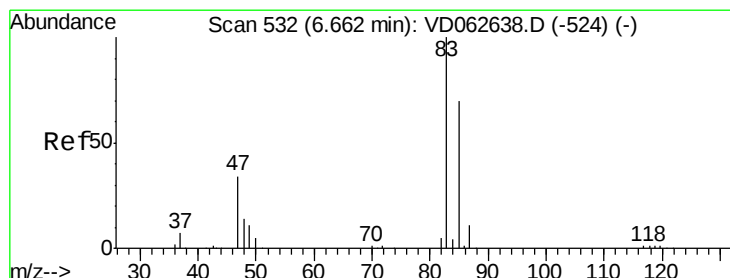
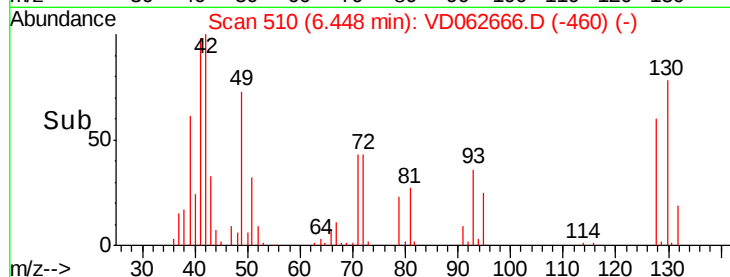
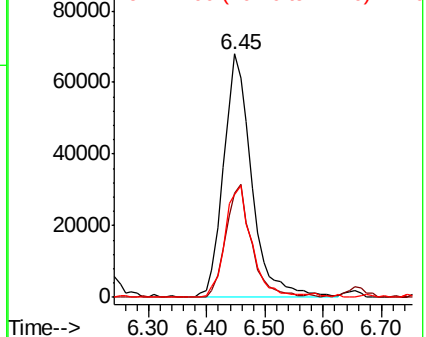
42 100

72 42.2 33.8 50.6

71 43.6 34.2 51.4



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 48.973 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.01 min

Lab File: VD062666.D

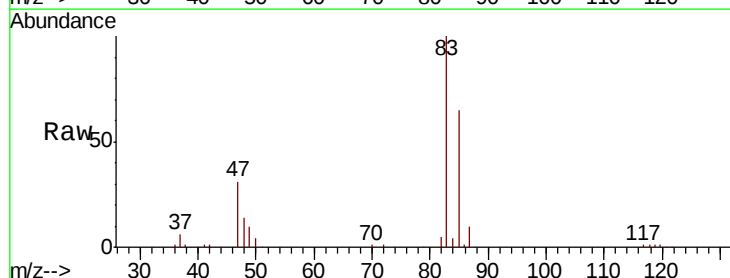
Acq: 12 Jun 2019 11:12

Tgt Ion: 83 Resp: 929139

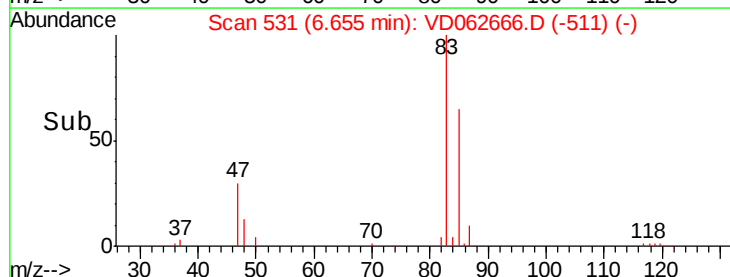
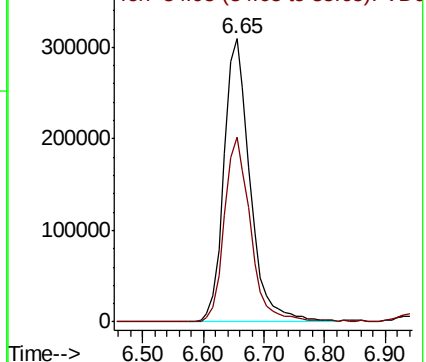
Ion Ratio Lower Upper

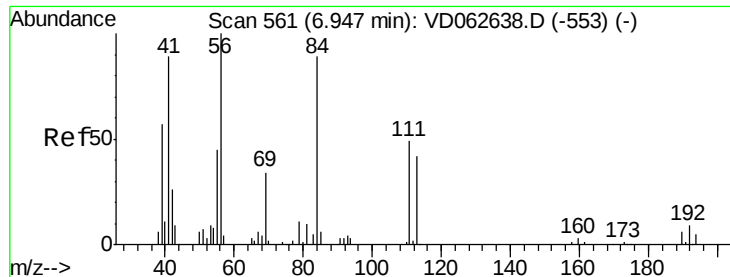
83 100

85 65.4 55.8 83.6



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

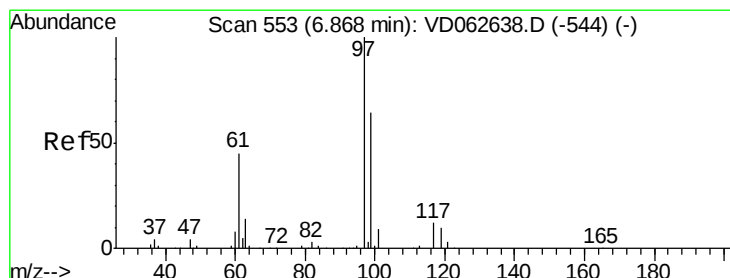
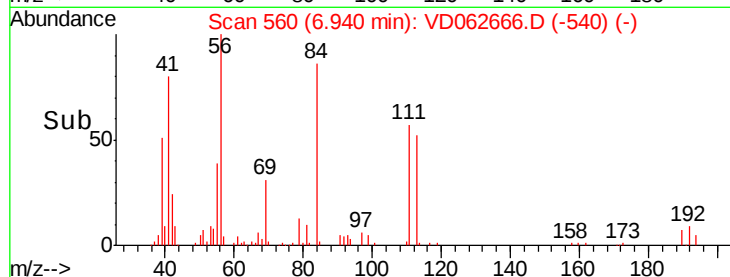
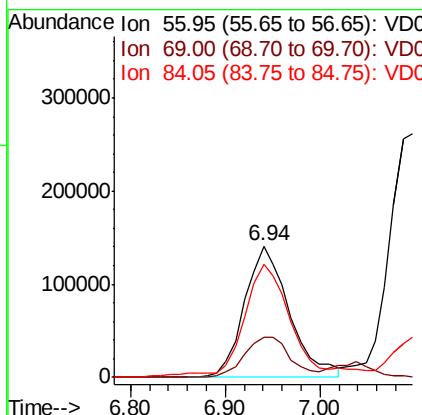
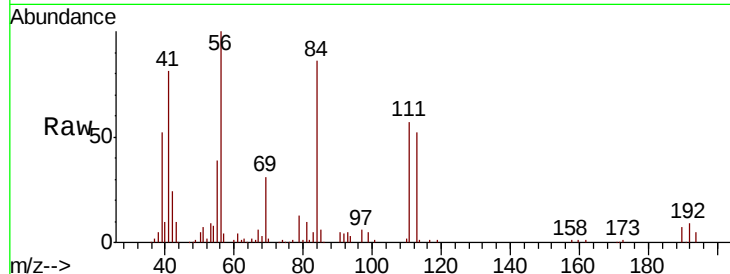




#31
Cyclohexane
Concen: 49.650 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

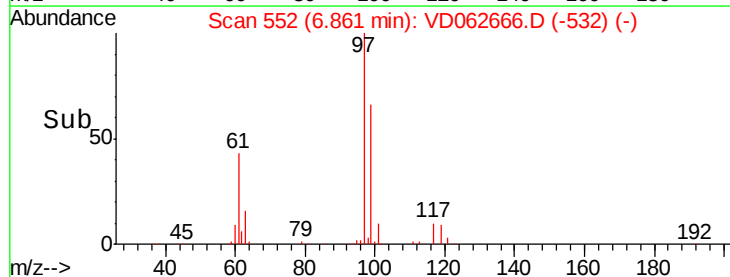
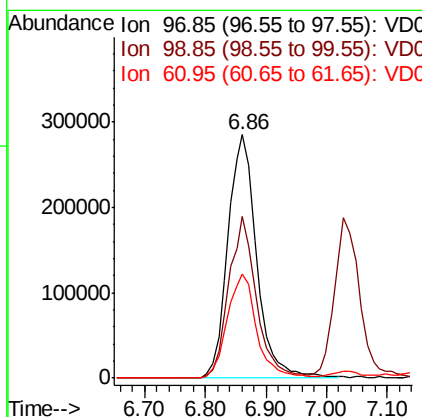
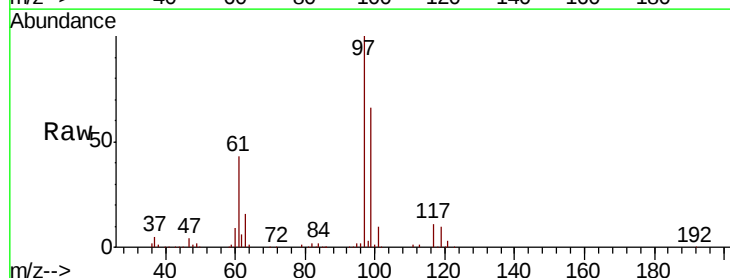
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

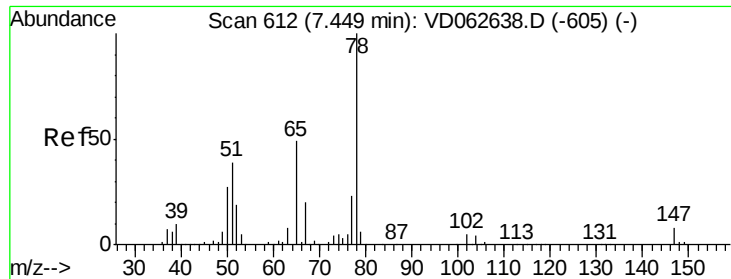
Tot Ion: 56 Resp: 460555
Ion Ratio Lower Upper
56 100
69 30.6 26.8 40.2
84 86.2 73.9 110.9



#32
1,1,1-Trichloroethane
Concen: 49.752 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion: 97 Resp: 939242
Ion Ratio Lower Upper
97 100
99 66.3 51.4 77.0
61 42.9 35.6 53.4





#33

1,2-Dichloroethane-d4

Concen: 51.275 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

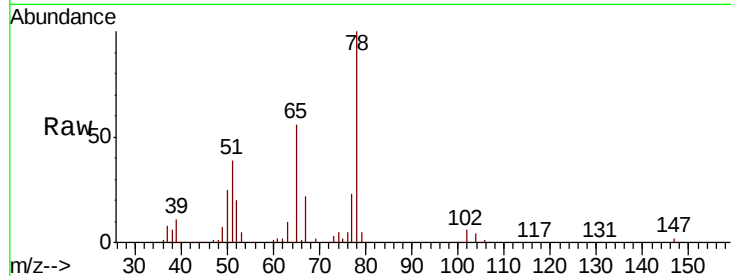
VSTDCCC050

Tot Ion: 65 Resp: 602691

Ion Ratio Lower Upper

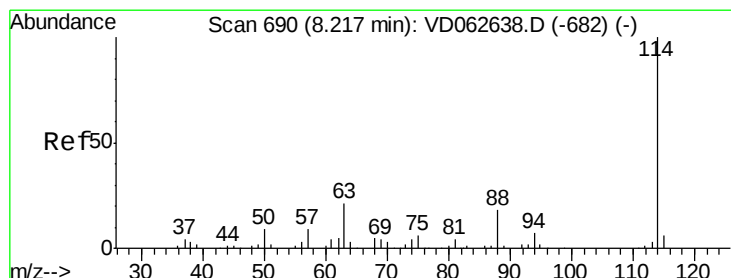
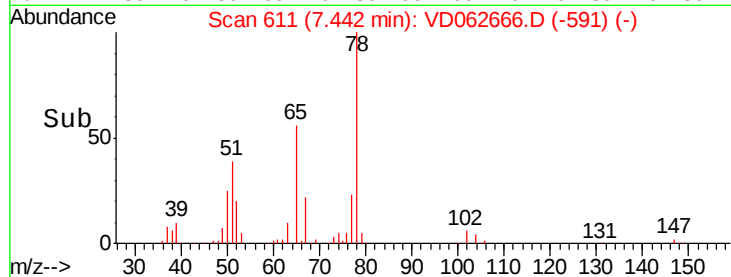
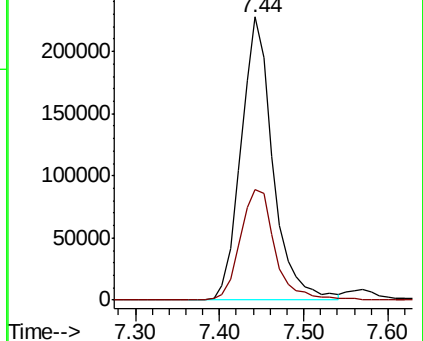
65 100

67 39.2 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

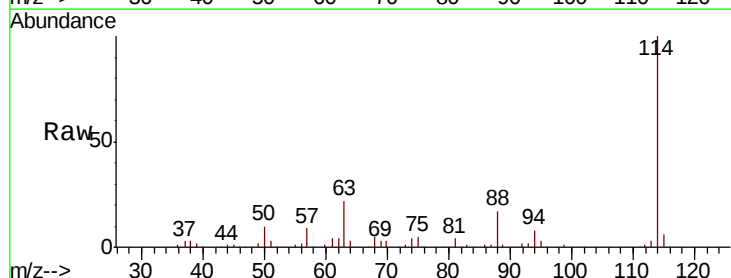
Tgt Ion: 114 Resp: 1057504

Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.4

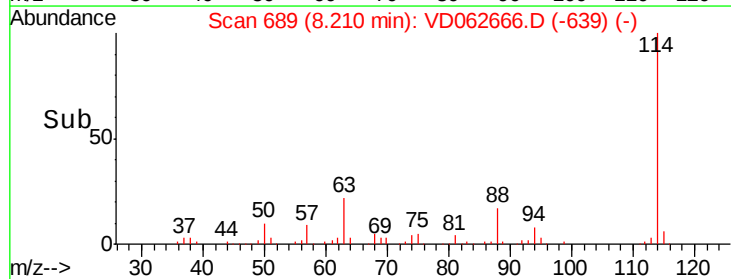
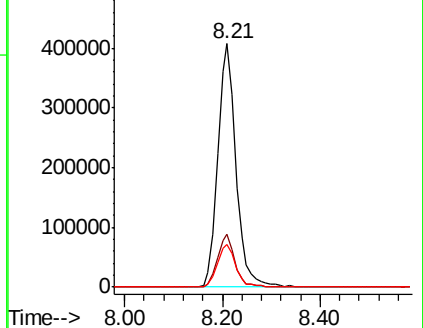
88 17.3 0.0 36.8

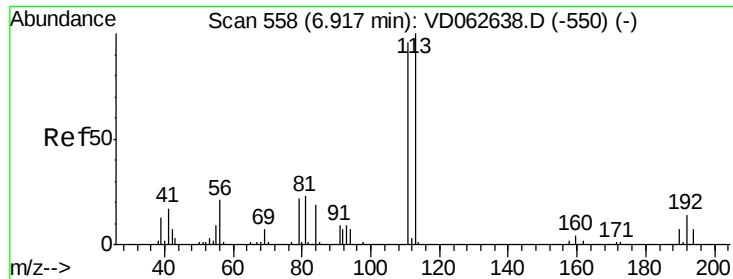


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 53.213 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

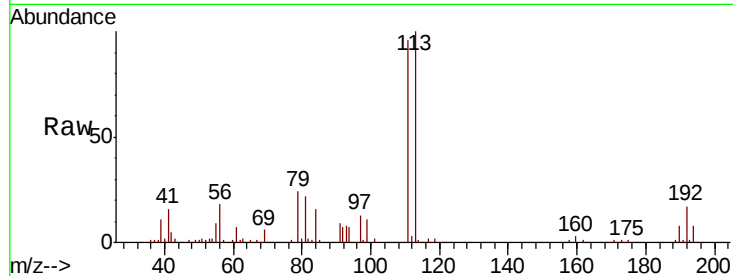
Tot Ion:113 Resp: 593471

Ion Ratio Lower Upper

113 100

111 95.9 76.4 114.6

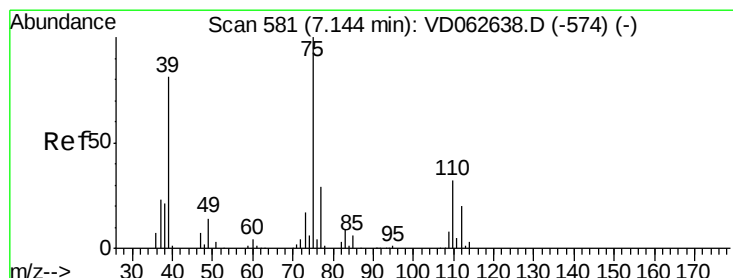
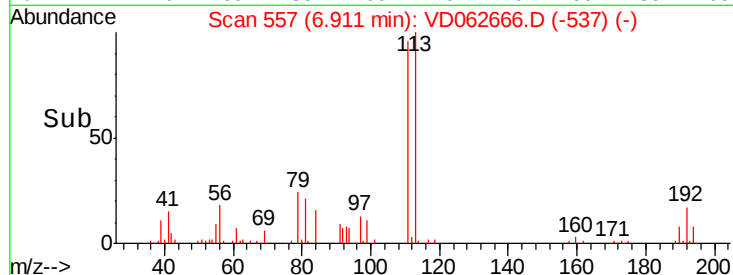
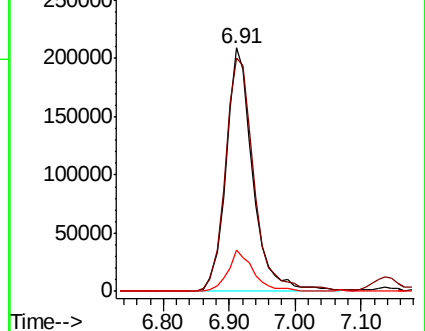
192 16.9 11.4 17.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 49.565 ug/l

RT: 7.14 min Scan# 580

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

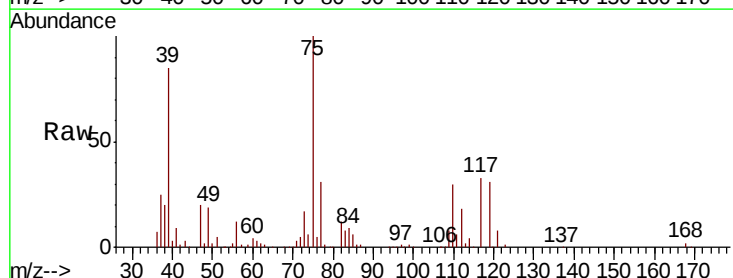
Tgt Ion: 75 Resp: 599895

Ion Ratio Lower Upper

75 100

110 29.6 15.9 47.7

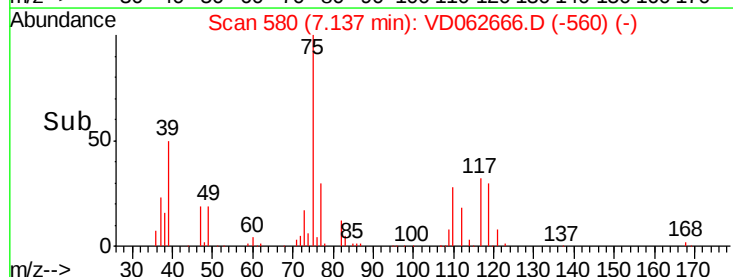
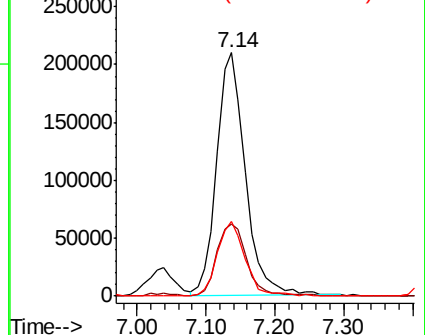
77 30.7 23.3 34.9

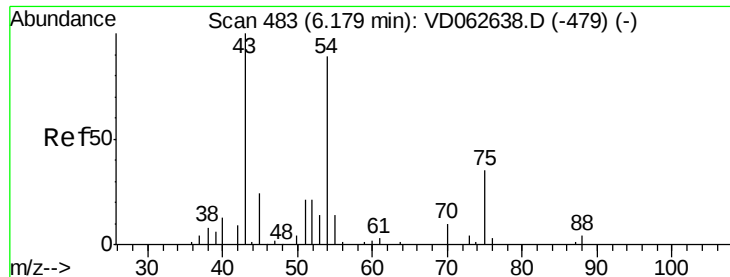


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

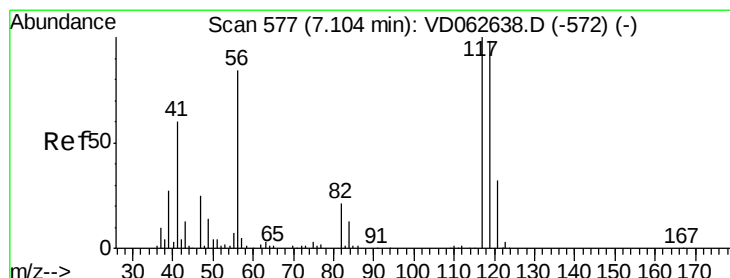
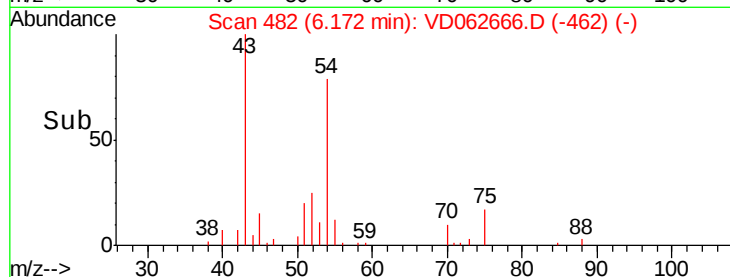
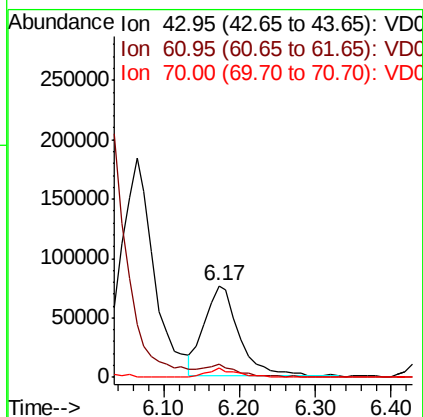
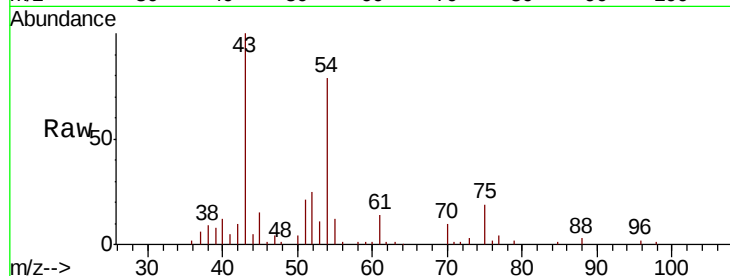




#37
Ethyl Acetate
Concen: 46.928 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

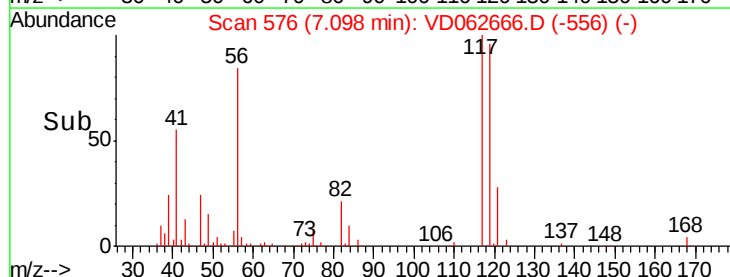
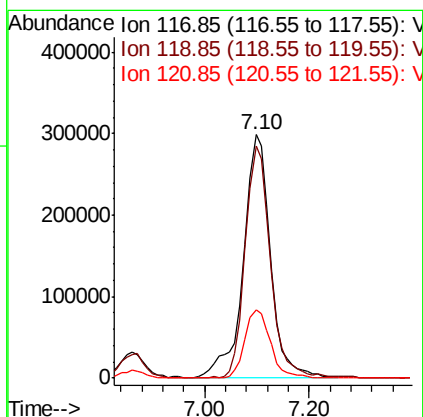
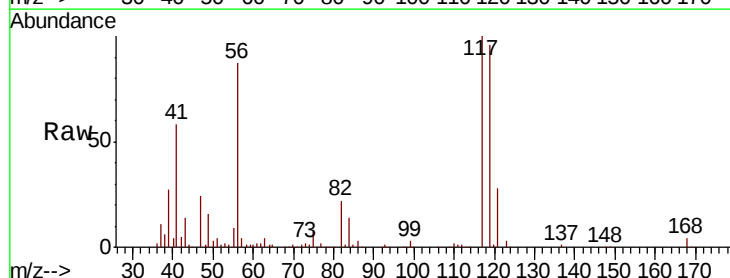
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

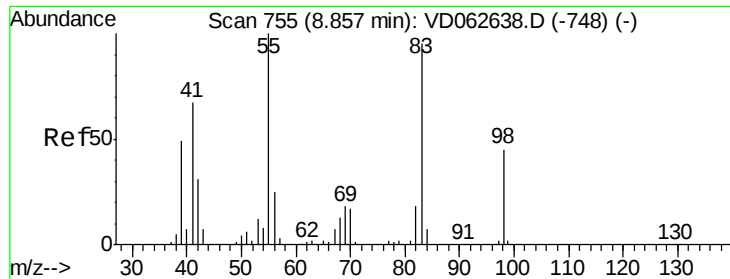
Tot Ion: 43 Resp: 241784
Ion Ratio Lower Upper
43 100
61 14.0 8.7 13.1#
70 9.9 6.5 9.7#



#38
Carbon Tetrachloride
Concen: 54.364 ug/l
RT: 7.10 min Scan# 576
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion: 117 Resp: 1039989
Ion Ratio Lower Upper
117 100
119 95.5 73.5 110.3
121 28.2 24.2 36.4

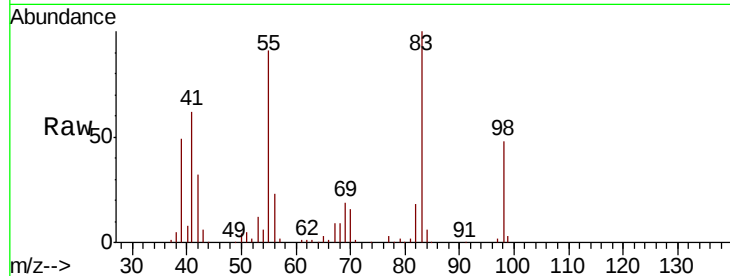




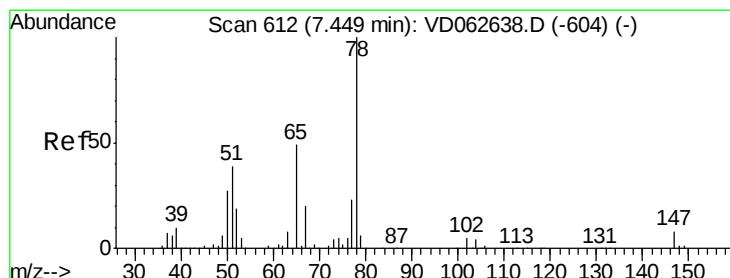
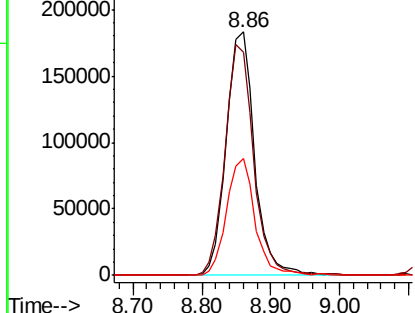
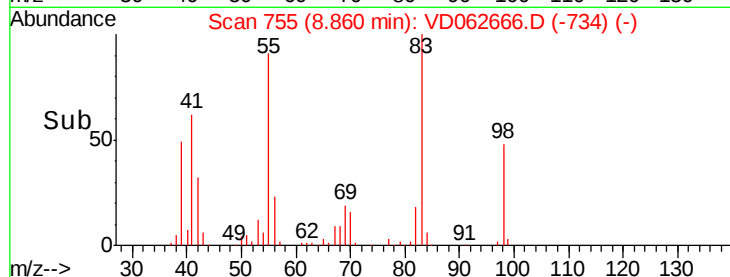
#39
Methylvlcvclohexane
Concen: 53.529 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 523536
Ion Ratio Lower Upper
83 100
55 91.4 84.6 127.0
98 48.1 38.2 57.4

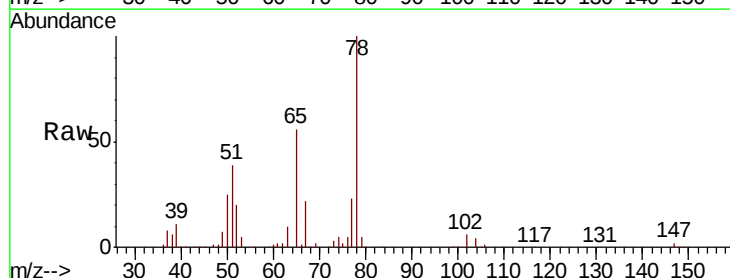


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

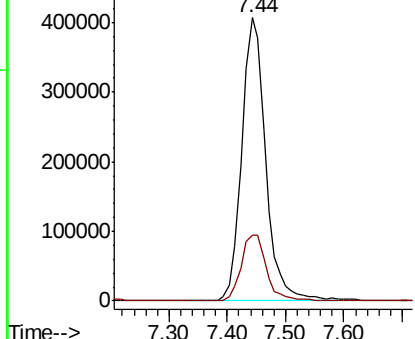
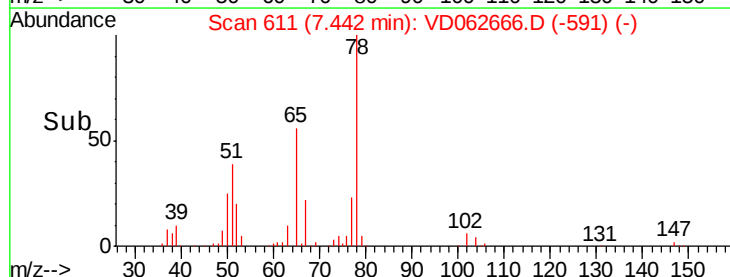


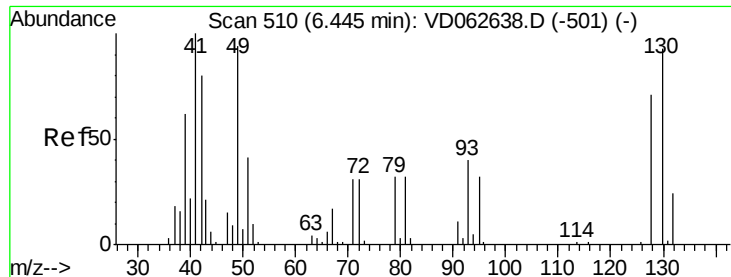
#40
Benzene
Concen: 49.352 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion: 78 Resp: 1166478
Ion Ratio Lower Upper
78 100
77 23.4 18.6 28.0



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

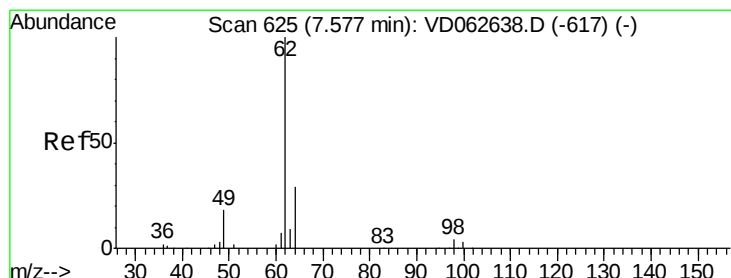
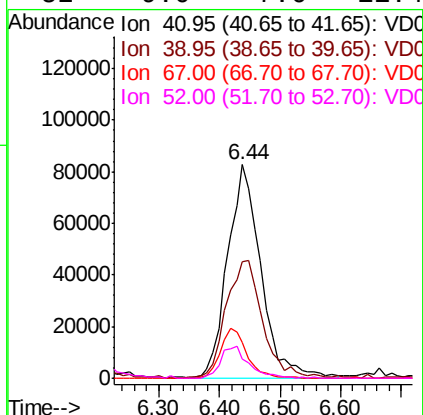
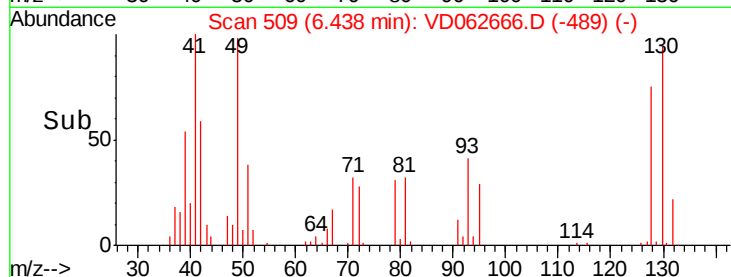
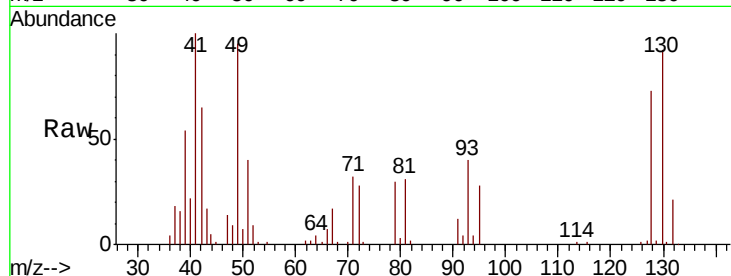




#41
Methacrylonitrile
Concen: 50.190 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

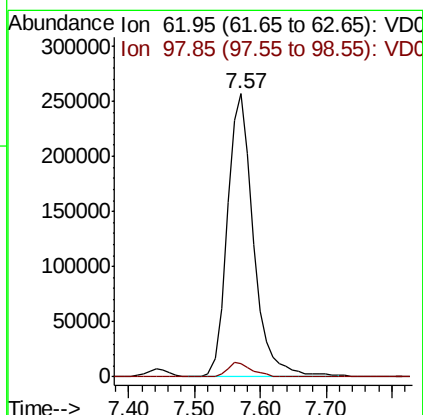
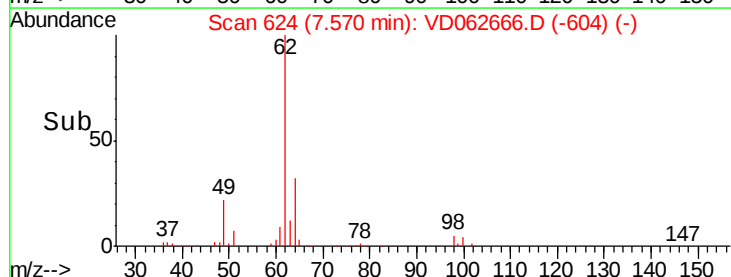
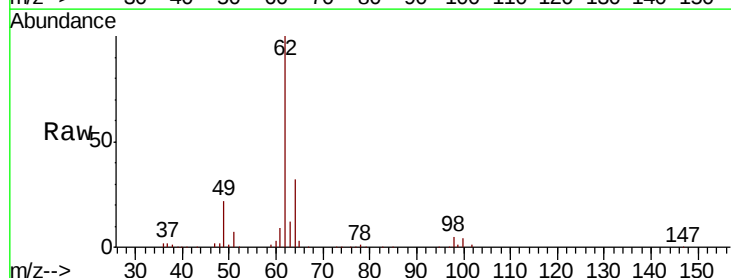
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

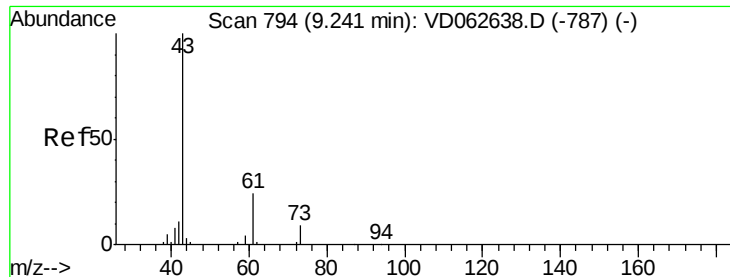
Tot Ion:	41	Resp:	317988
Ion	Ratio	Lower	Upper
41	100		
39	54.3	49.2	73.8
67	17.0	13.9	20.9
52	9.0	7.6	11.4



#42
1,2-Dichloroethane
Concen: 50.317 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion:	62	Resp:	708873
Ion	Ratio	Lower	Upper
62	100		
98	4.9	0.0	7.4



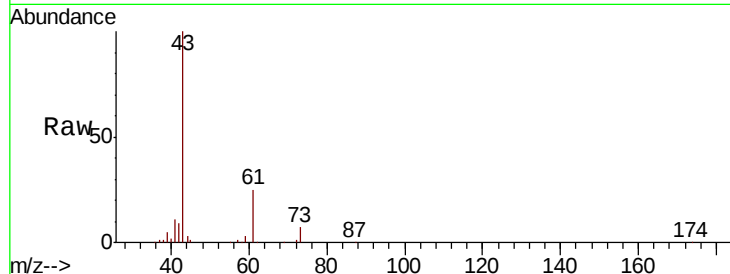


#43

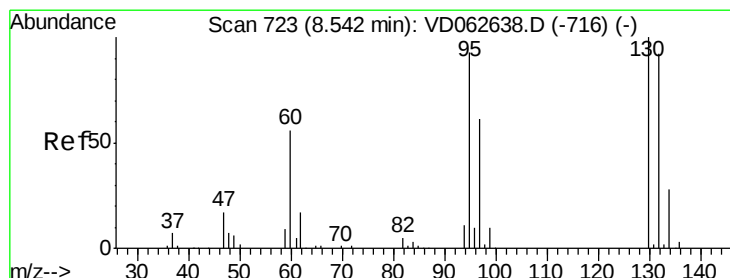
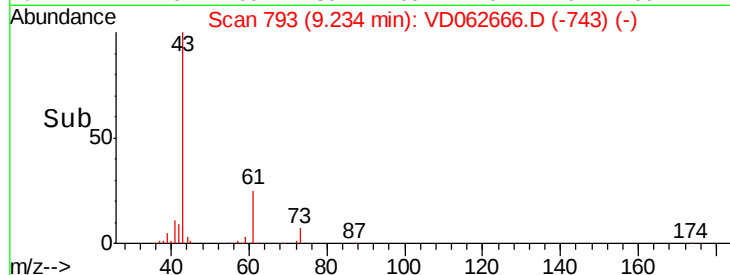
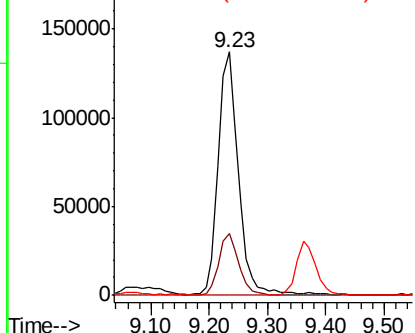
Isopropyl Acetate
 Concen: 52.267 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 333784
 Ion Ratio Lower Upper
 43 100
 61 25.3 19.0 28.6
 87 0.4 0.3 0.5



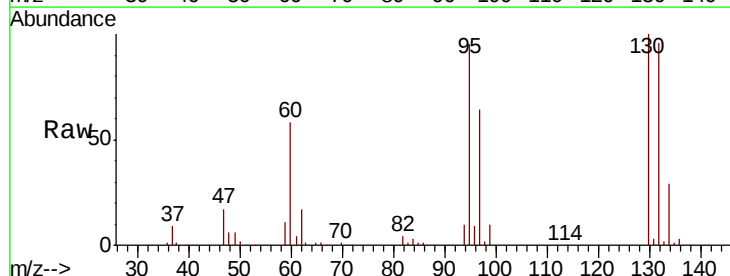
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



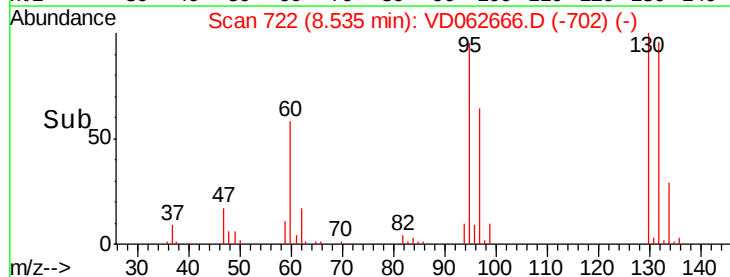
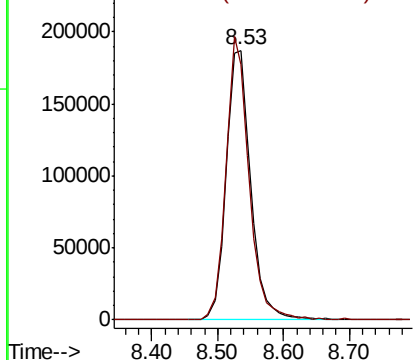
#44

Trichloroethene
 Concen: 50.940 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

Tgt Ion:130 Resp: 488800
 Ion Ratio Lower Upper
 130 100
 95 94.7 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.185 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

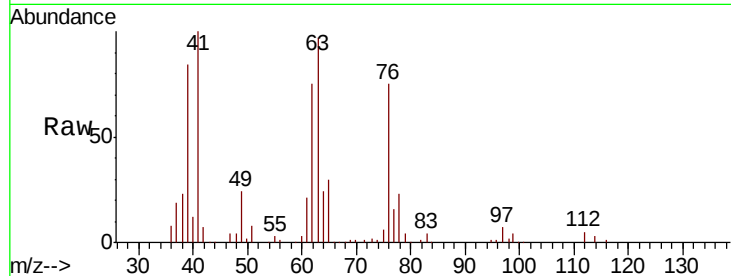
VSTDCCC050

Tot Ion: 63 Resp: 296271

Ion Ratio Lower Upper

63 100

65 31.4 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

150000

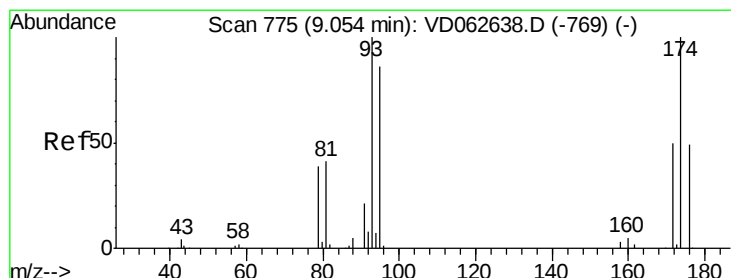
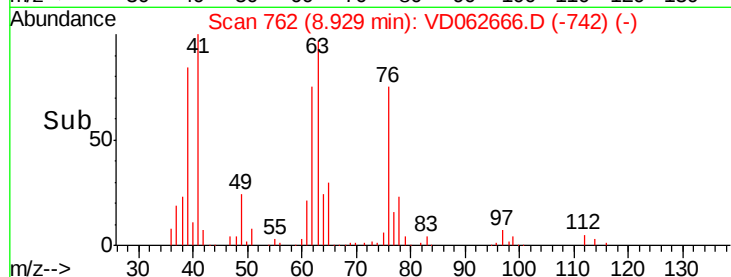
100000

50000

0

8.90 9.00

Time-->



#46

Dibromomethane

Concen: 53.089 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

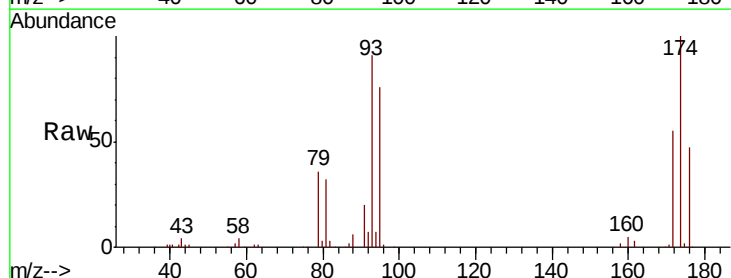
Tgt Ion: 93 Resp: 267543

Ion Ratio Lower Upper

93 100

95 83.3 68.7 103.1

174 109.5 79.8 119.8



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

150000

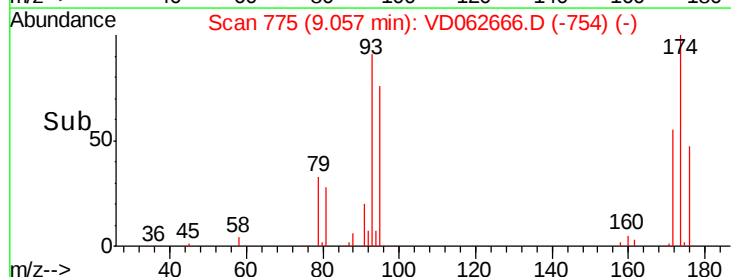
100000

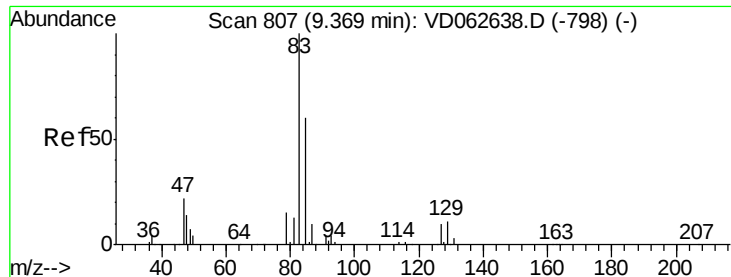
50000

0

8.90 9.00 9.10 9.20

Time-->





#47

Bromodichloromethane

Concen: 50.775 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

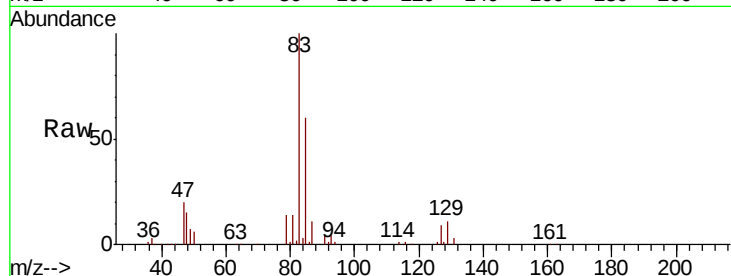
Tot Ion: 83 Resp: 696064

Ion Ratio Lower Upper

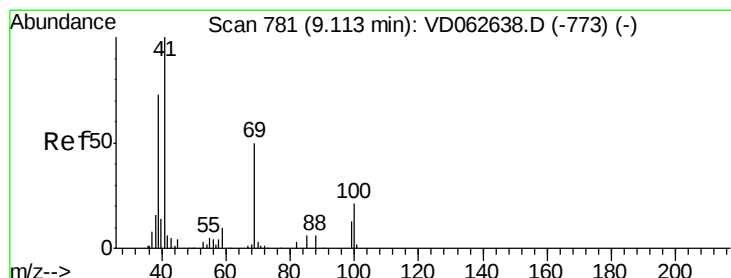
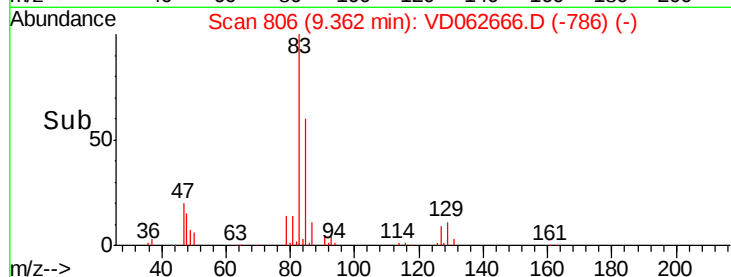
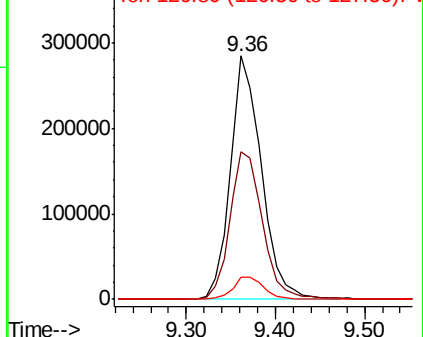
83 100

85 60.4 47.9 71.9

127 8.9 8.2 12.4



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 49.648 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

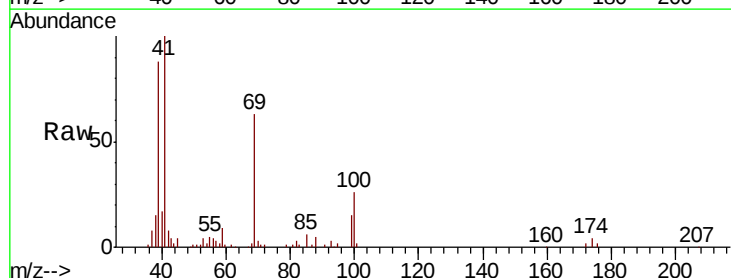
Tgt Ion: 41 Resp: 229056

Ion Ratio Lower Upper

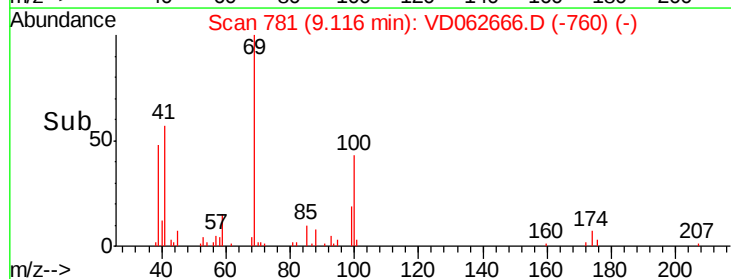
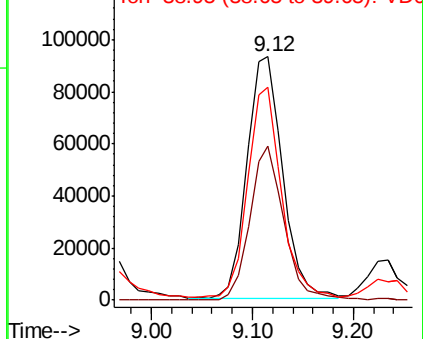
41 100

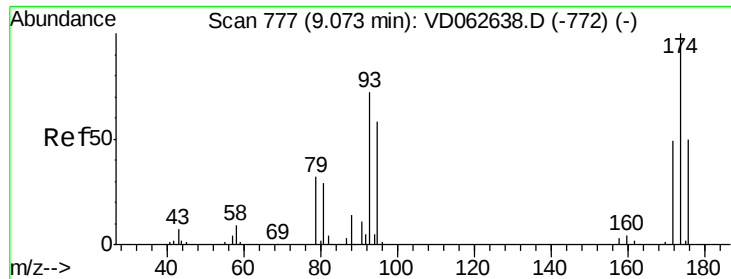
69 63.5 39.8 59.6#

39 87.6 59.1 88.7



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

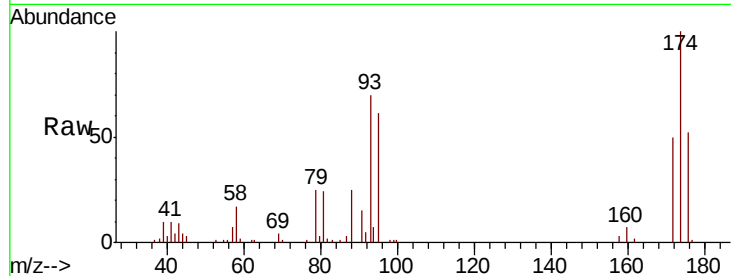




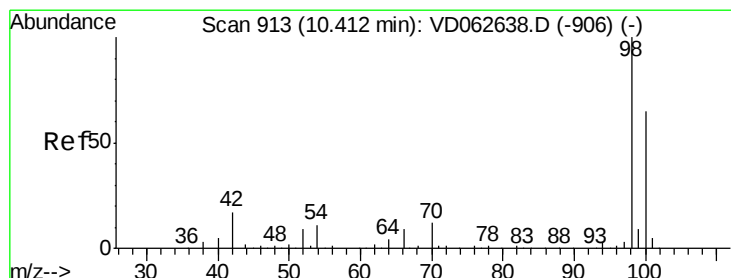
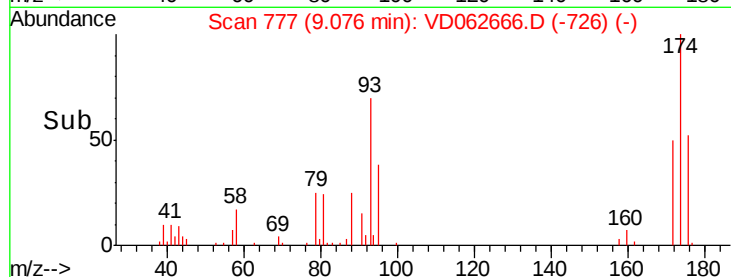
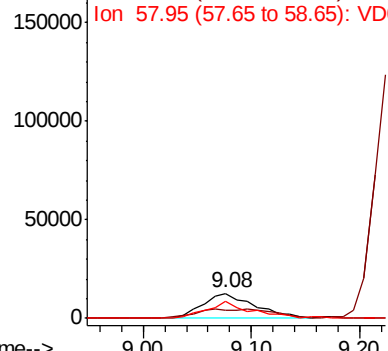
#49
1,4-Dioxane
Concen: 1002.738 ug/l
RT: 9.08 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 41375
Ion Ratio Lower Upper
88 100
43 35.0 40.7 61.1#
58 69.0 54.2 81.4

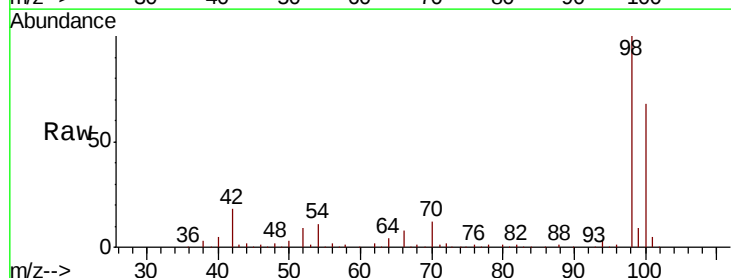


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

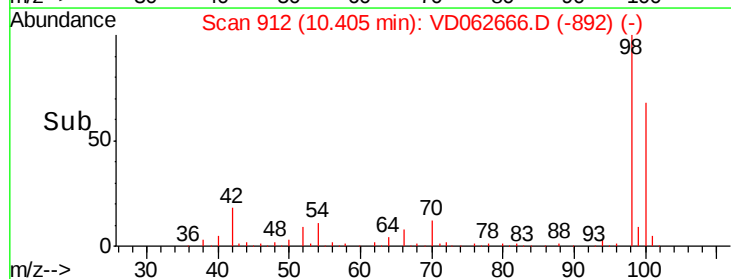
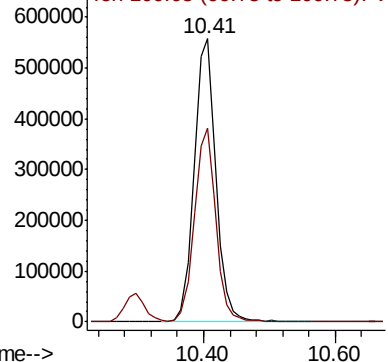


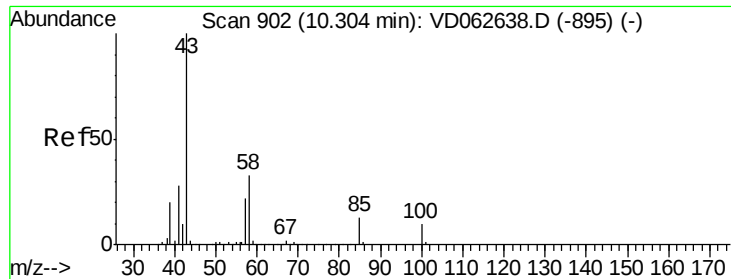
#50
Toluene-d8
Concen: 54.611 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion: 98 Resp: 1281266
Ion Ratio Lower Upper
98 100
100 68.3 52.1 78.1



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

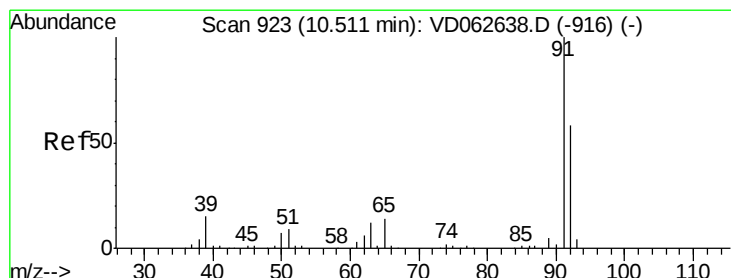
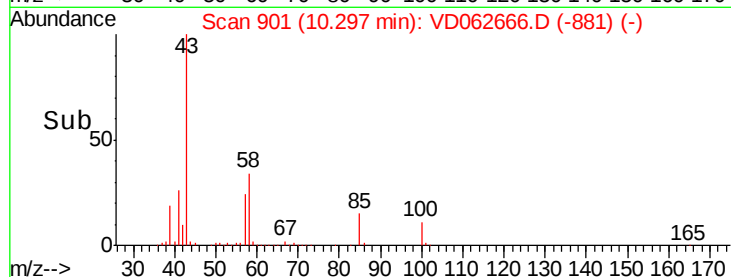
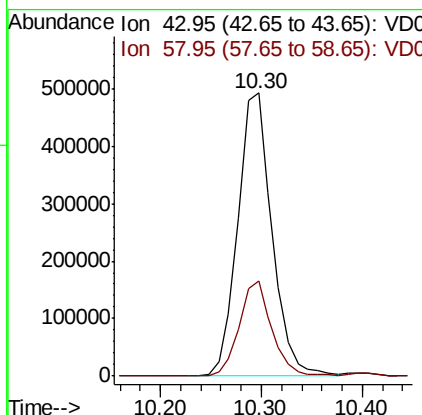
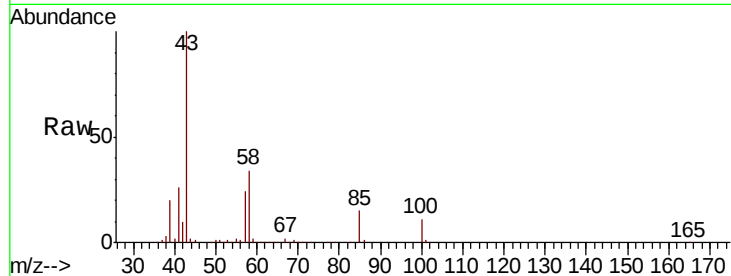




#51
4-Methyl-2-Pentanone
Concen: 259.811 ug/l
RT: 10.30 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

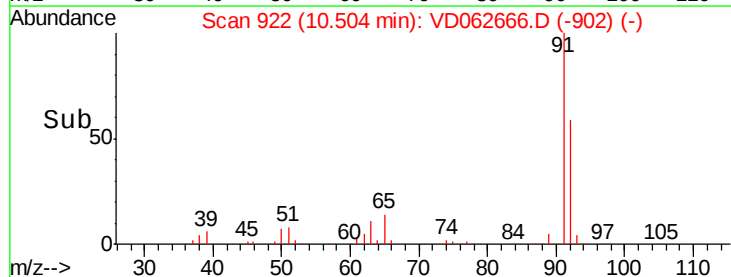
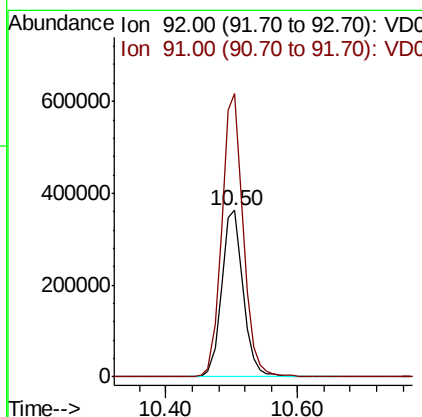
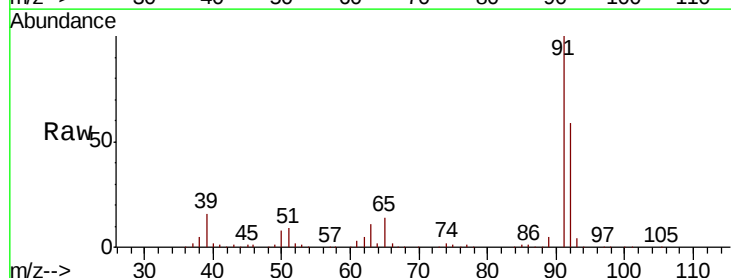
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

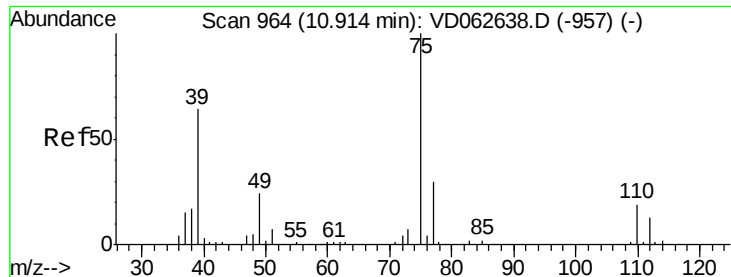
Tot Ion: 43 Resp: 1160966
Ion Ratio Lower Upper
43 100
58 33.6 26.1 39.1



#52
Toluene
Concen: 52.148 ug/l
RT: 10.50 min Scan# 922
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion: 92 Resp: 828529
Ion Ratio Lower Upper
92 100
91 170.1 137.0 205.6

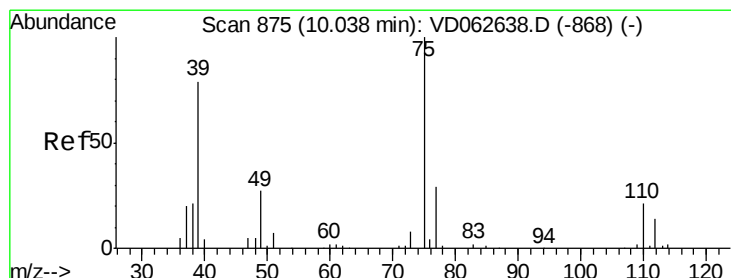
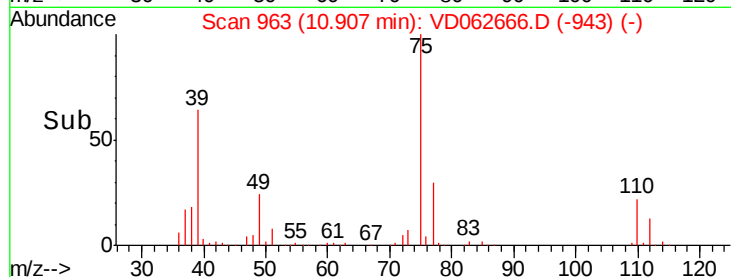
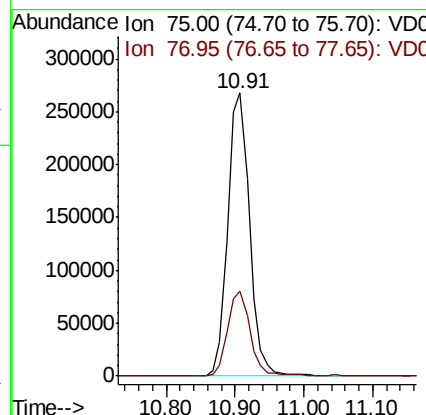
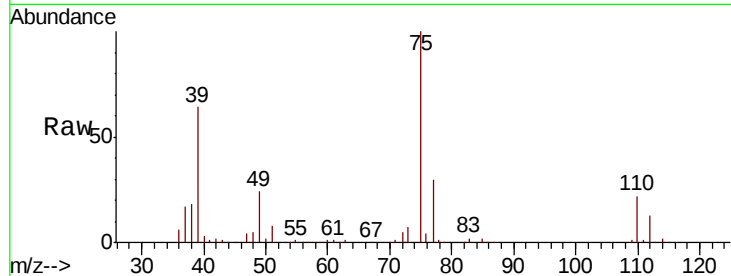




#53
 t-1,3-Dichloropropene
 Concen: 52.197 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

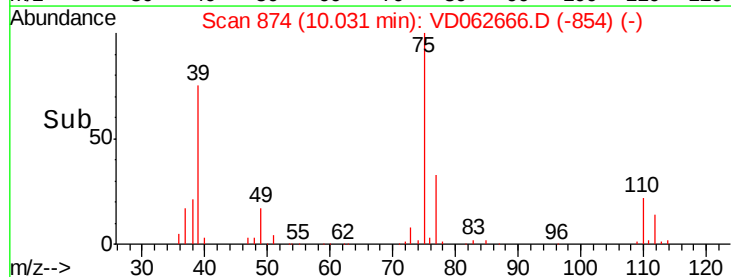
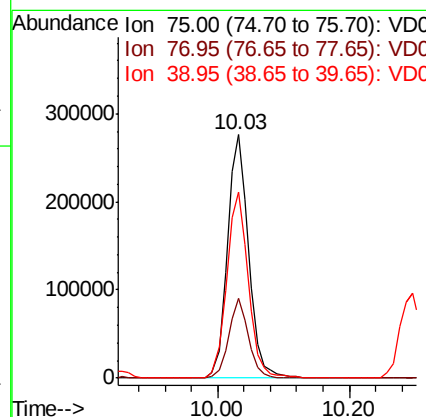
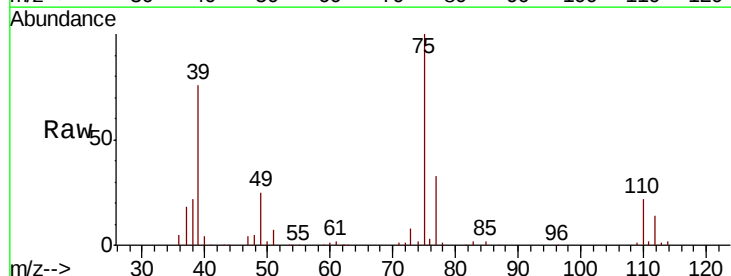
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

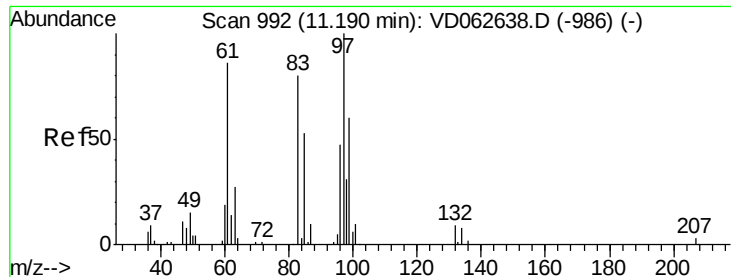
Tot Ion: 75 Resp: 586680
 Ion Ratio Lower Upper
 75 100
 77 30.1 24.1 36.1



#54
 cis-1,3-Dichloropropene
 Concen: 53.138 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

Tgt Ion: 75 Resp: 617287
 Ion Ratio Lower Upper
 75 100
 77 32.5 23.1 34.7
 39 76.5 63.4 95.2





#55

1,1,2-Trichloroethane

Concen: 51.262 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 279308

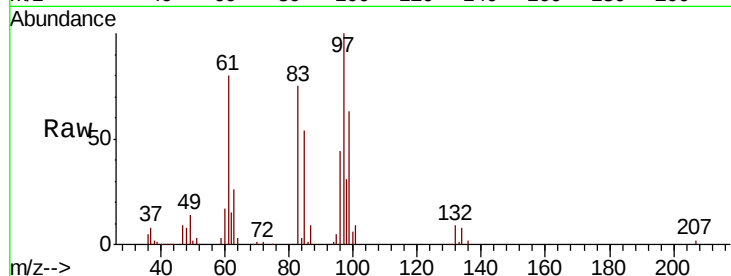
Ion Ratio Lower Upper

97 100

83 74.8 63.8 95.8

85 54.4 42.3 63.5

99 63.4 48.0 72.0

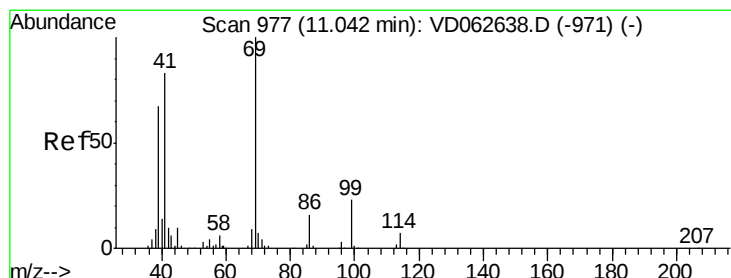
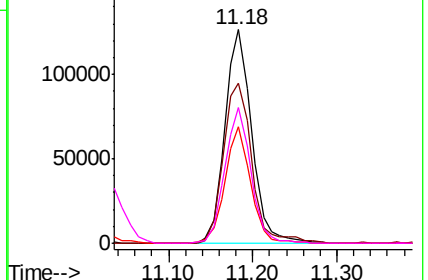
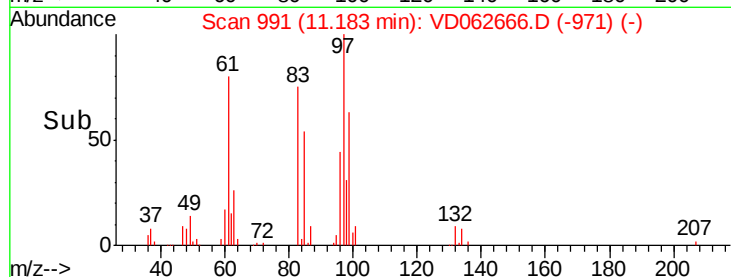


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 44.309 ug/l

RT: 11.04 min Scan# 976

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

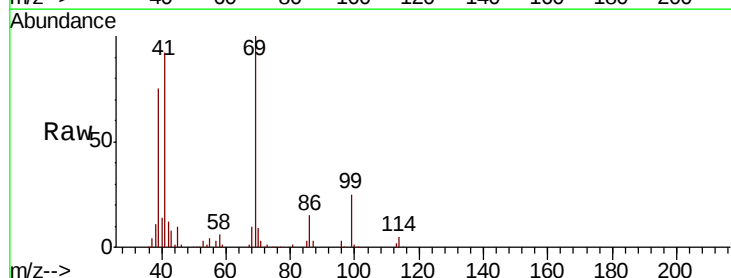
Tgt Ion: 69 Resp: 287694

Ion Ratio Lower Upper

69 100

41 92.4 66.2 99.4

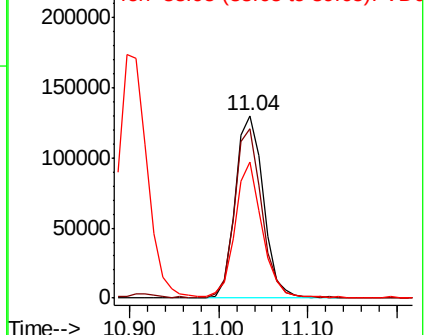
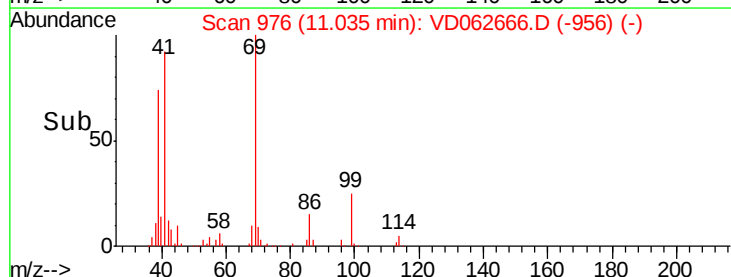
39 74.6 53.8 80.8

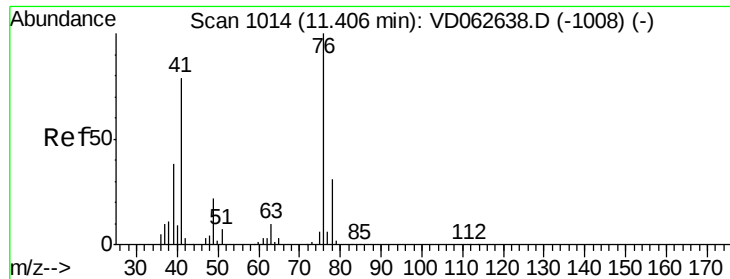


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

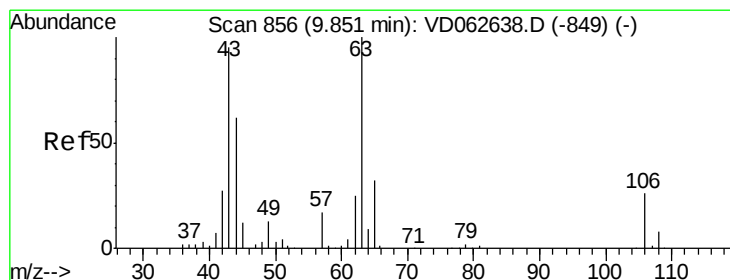
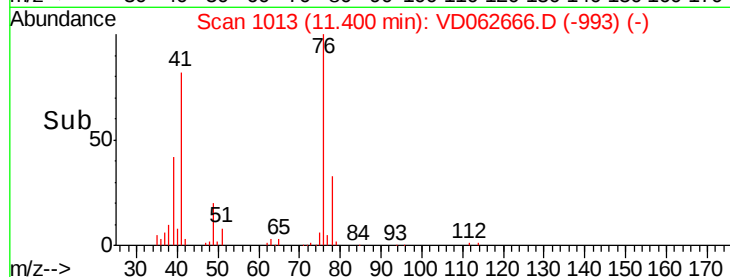
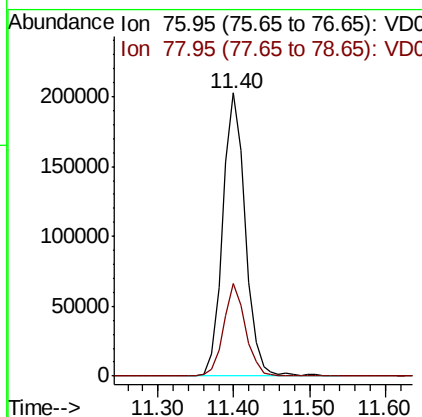
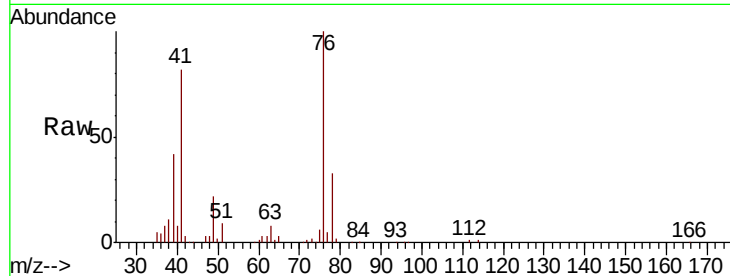




#57
 1,3-Dichloropropane
 Concen: 49.445 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

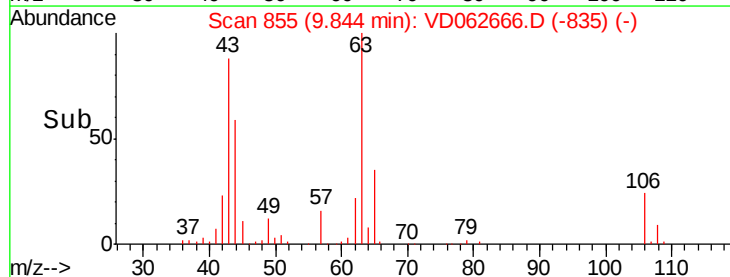
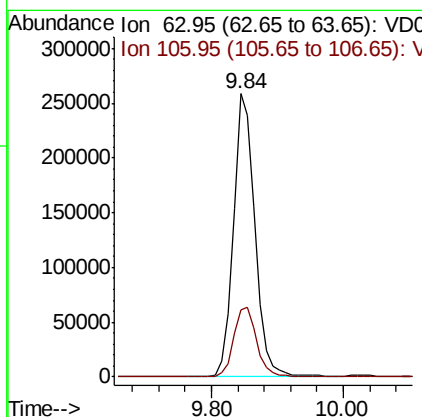
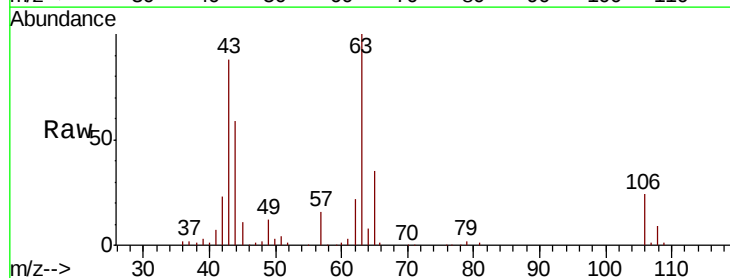
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

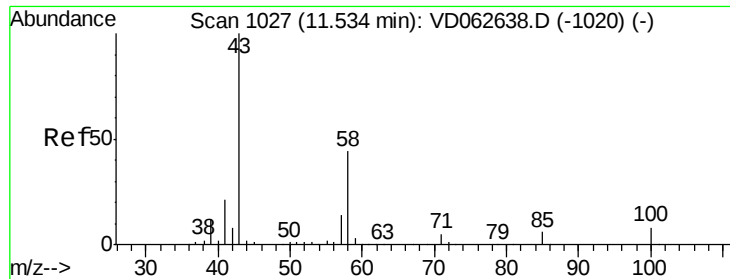
Tot Ion: 76 Resp: 417559
 Ion Ratio Lower Upper
 76 100
 78 32.8 24.9 37.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 202.660 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

Tgt Ion: 63 Resp: 590176
 Ion Ratio Lower Upper
 63 100
 106 23.9 20.5 30.7

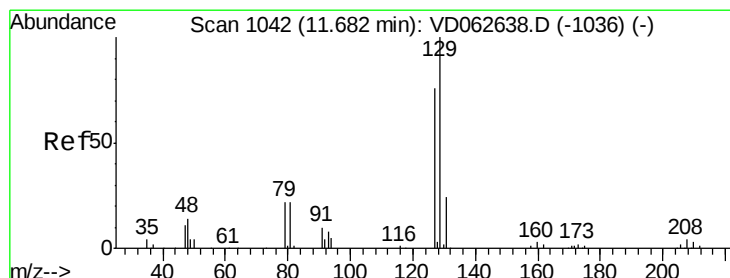
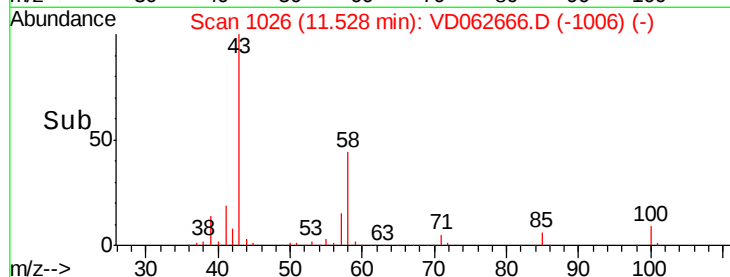
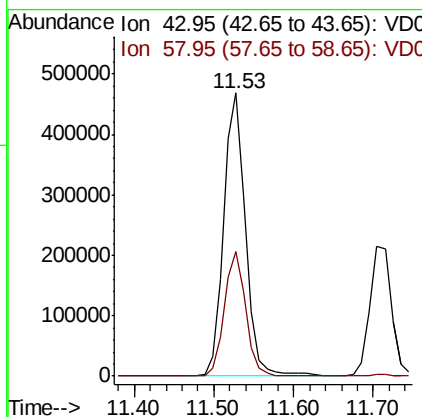
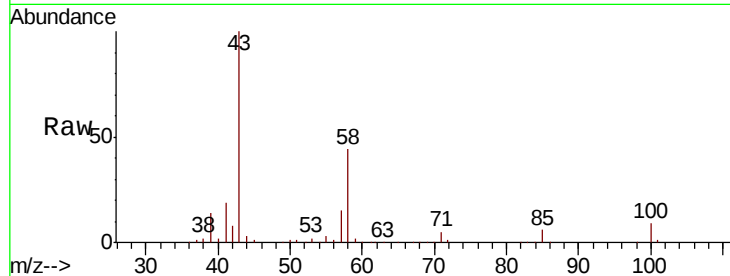




#59
2-Hexanone
Concen: 273.071 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

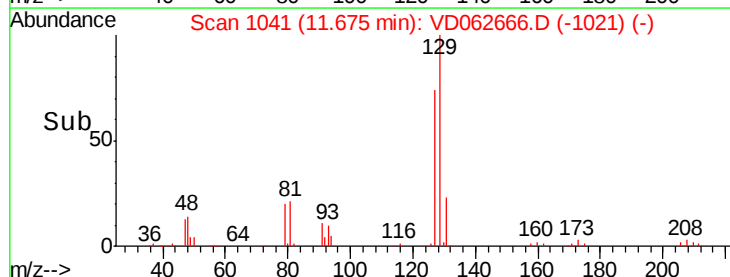
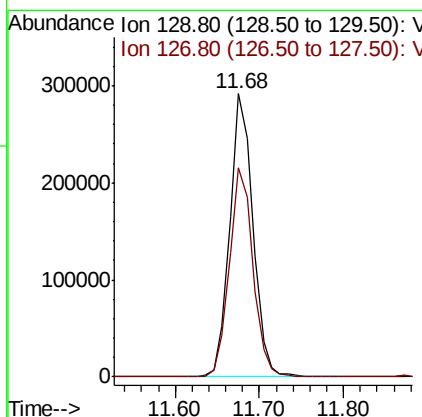
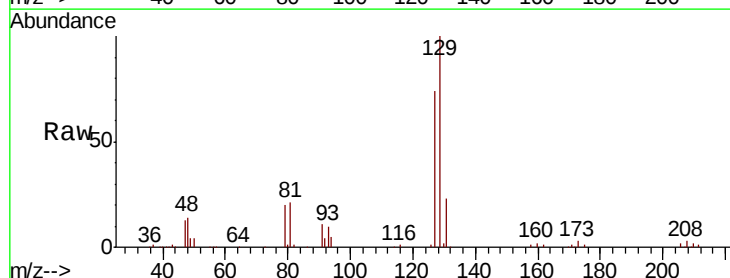
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

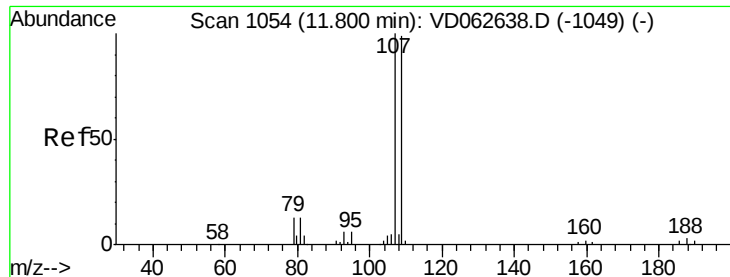
Tot Ion: 43 Resp: 907673
Ion Ratio Lower Upper
43 100
58 43.9 21.8 65.4



#60
Dibromochloromethane
Concen: 51.899 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion:129 Resp: 558213
Ion Ratio Lower Upper
129 100
127 73.9 38.0 114.1

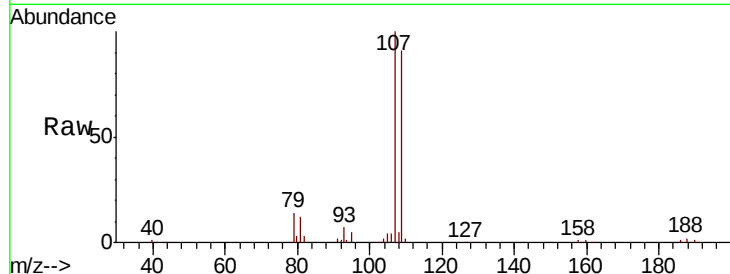




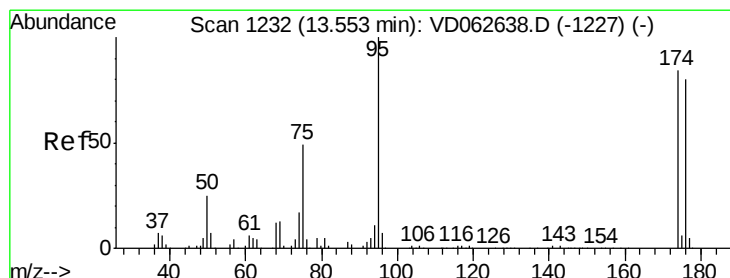
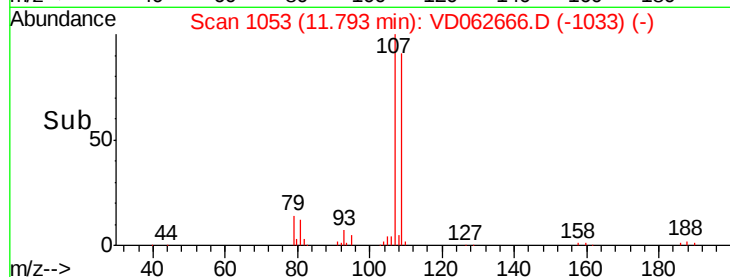
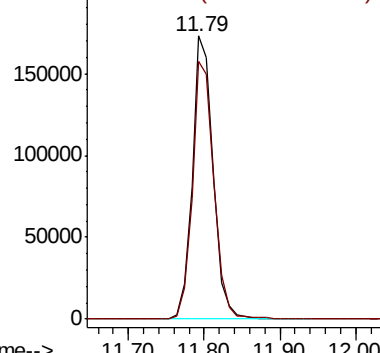
#61
 1,2-Dibromoethane
 Concen: 50.862 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:107 Resp: 331674
 Ion Ratio Lower Upper
 107 100
 109 91.1 79.2 118.8

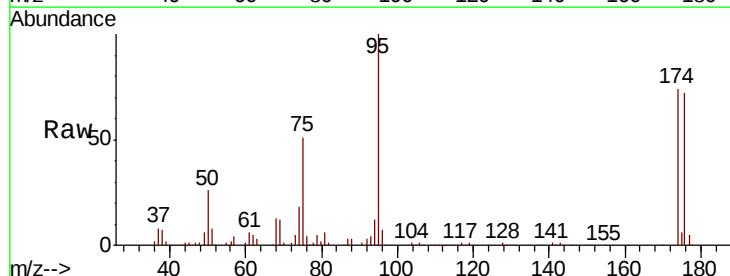


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.90 (108.60 to 109.60): V

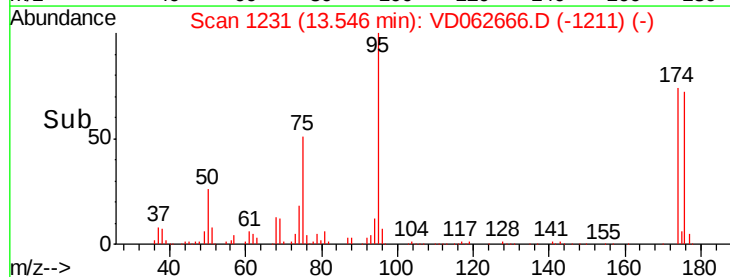
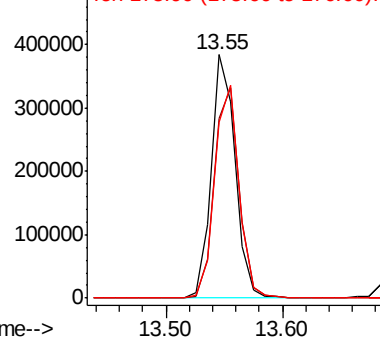


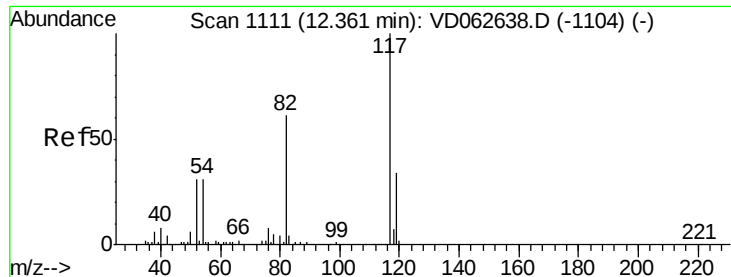
#62
 4-Bromofluorobenzene
 Concen: 49.626 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

Tgt Ion: 95 Resp: 543190
 Ion Ratio Lower Upper
 95 100
 174 73.6 0.0 167.0
 176 72.2 0.0 159.2



Abundance Ion 95.00 (94.70 to 95.70): V
 Ion 173.90 (173.60 to 174.60): V
 Ion 175.90 (175.60 to 176.60): V

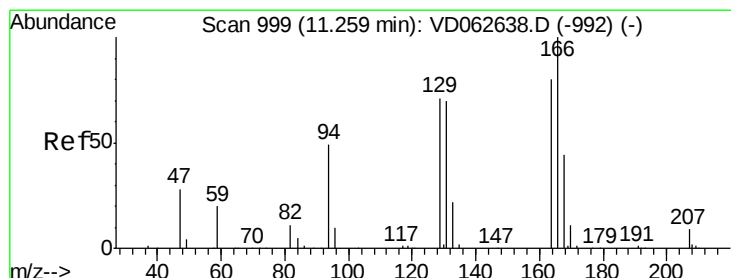
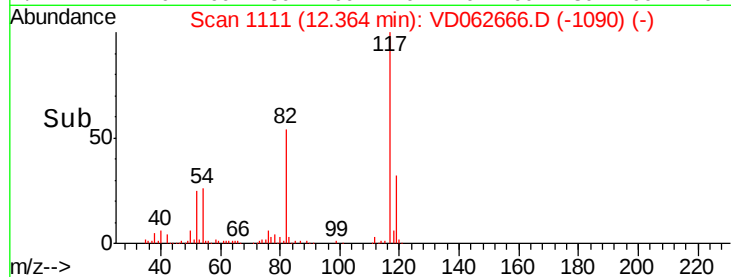
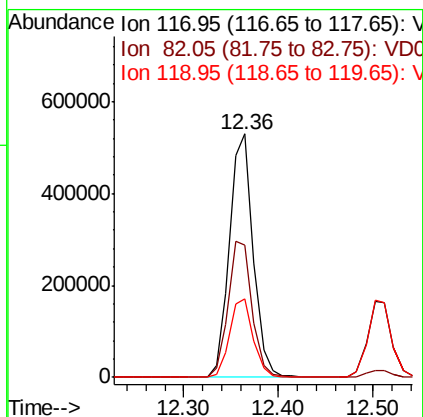
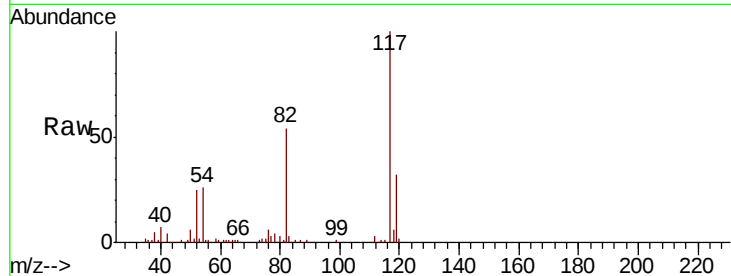




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

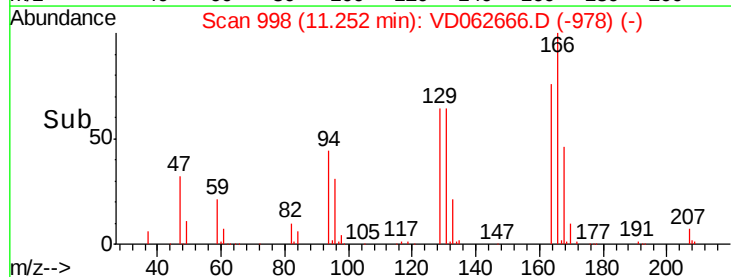
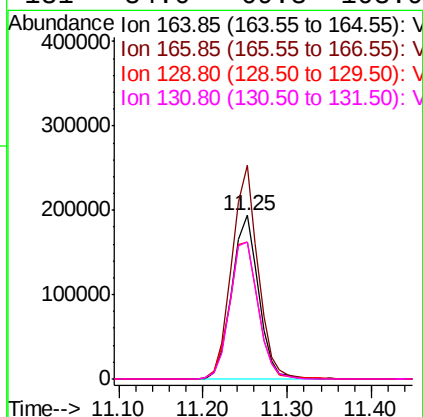
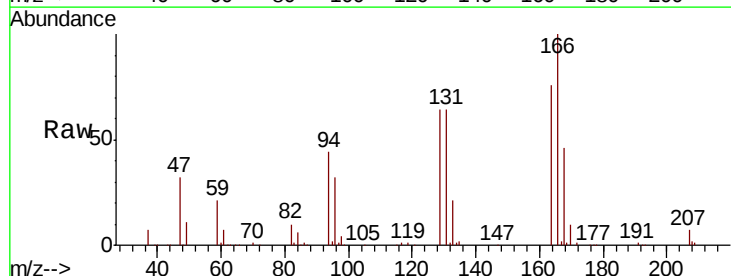
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

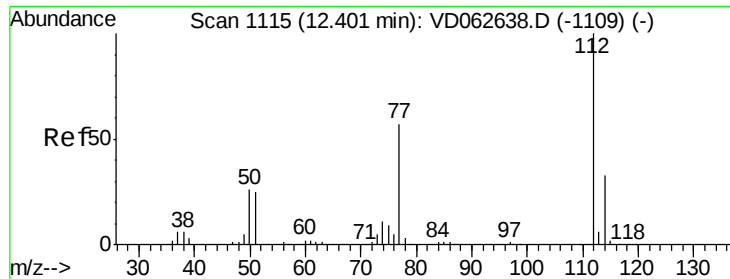
Tot Ion:117 Resp: 918437
Ion Ratio Lower Upper
117 100
82 54.2 48.7 73.1
119 32.3 27.0 40.6



#64
Tetrachloroethene
Concen: 49.963 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion:164 Resp: 429560
Ion Ratio Lower Upper
164 100
166 130.8 99.4 149.2
129 83.7 70.2 105.4
131 84.0 69.3 103.9

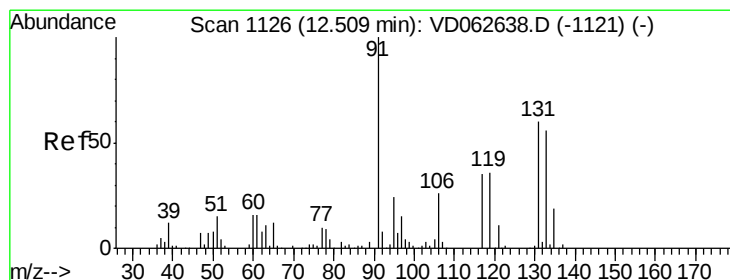
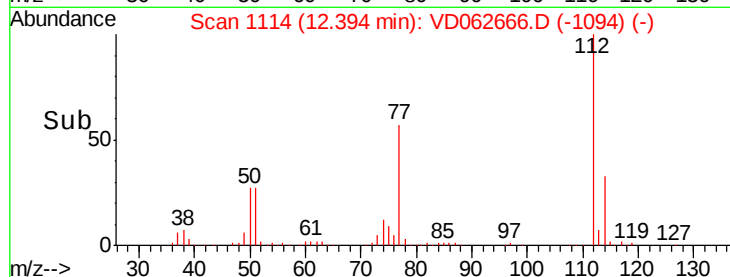
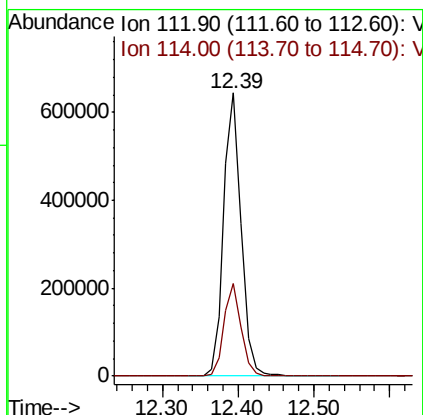
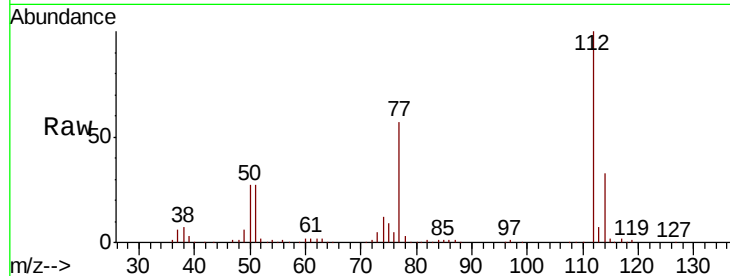




#65
Chlorobenzene
Concen: 50.934 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

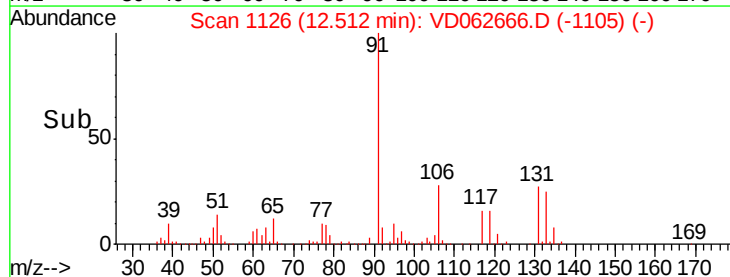
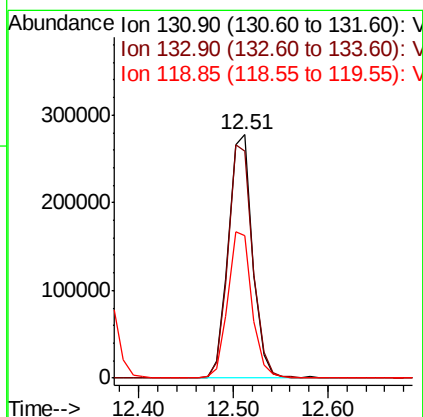
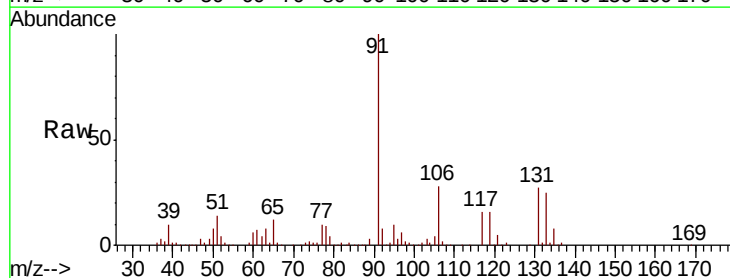
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

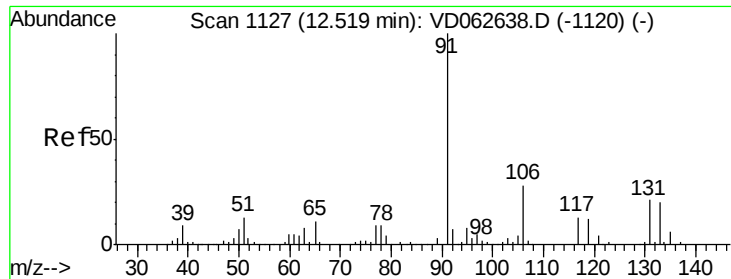
Tot Ion:112 Resp: 1034739
Ion Ratio Lower Upper
112 100
114 32.6 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 50.733 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion:131 Resp: 491561
Ion Ratio Lower Upper
131 100
133 93.4 46.8 140.3
119 58.4 29.9 89.8

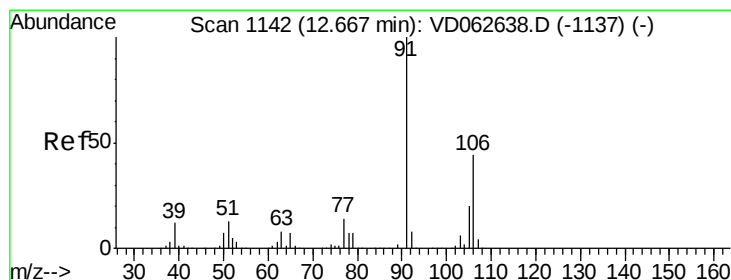
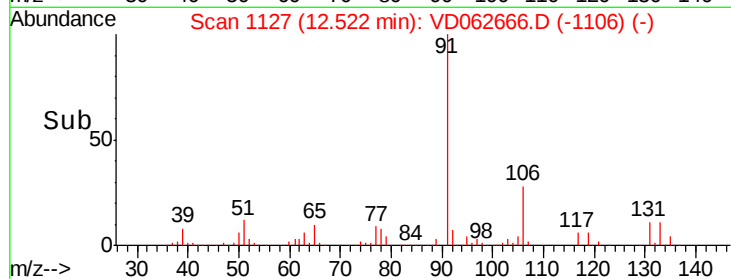
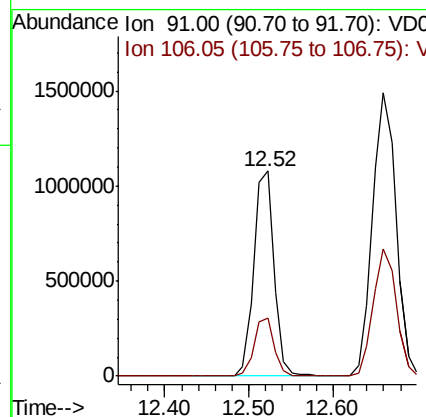
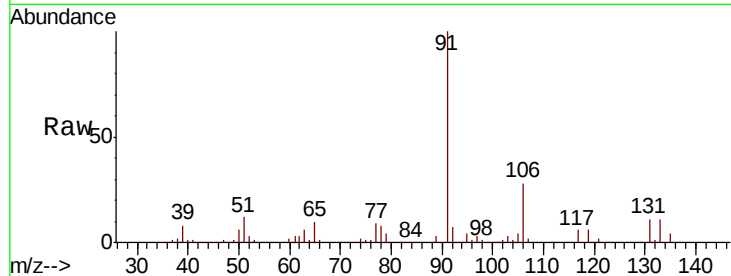




#67
Ethyl Benzene
Concen: 50.786 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

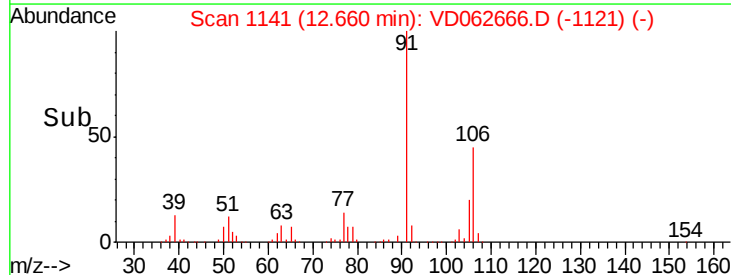
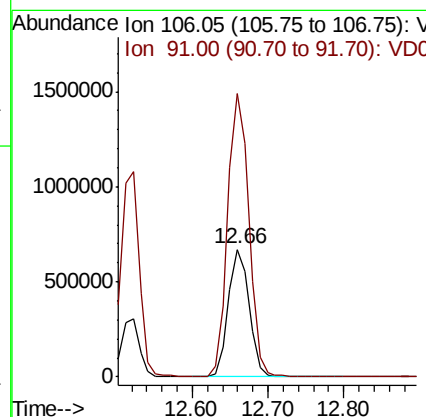
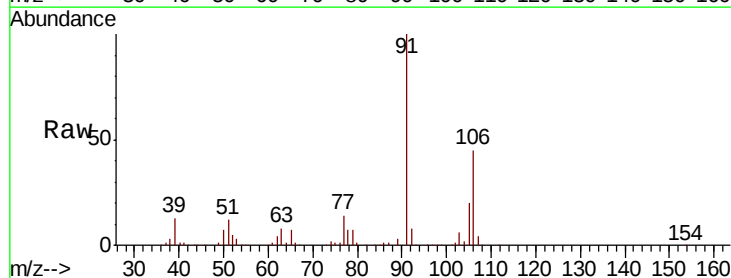
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

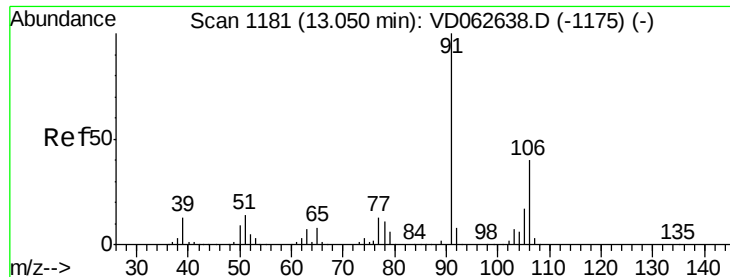
Tot Ion: 91 Resp: 1829293
Ion Ratio Lower Upper
91 100
106 28.3 22.1 33.1



#68
m/p-Xylenes
Concen: 101.136 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion: 106 Resp: 1280669
Ion Ratio Lower Upper
106 100
91 222.2 180.2 270.4

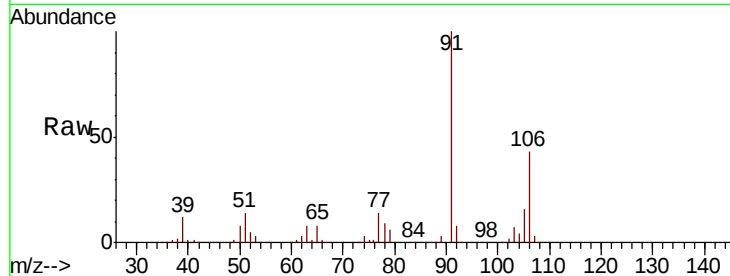




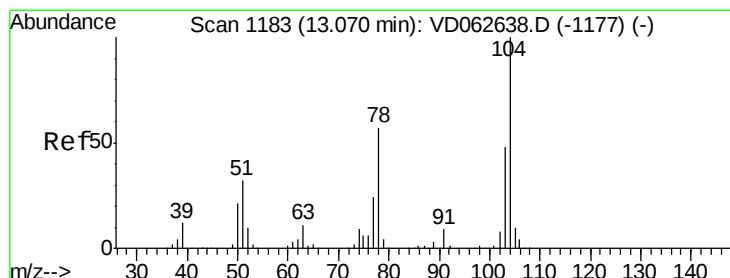
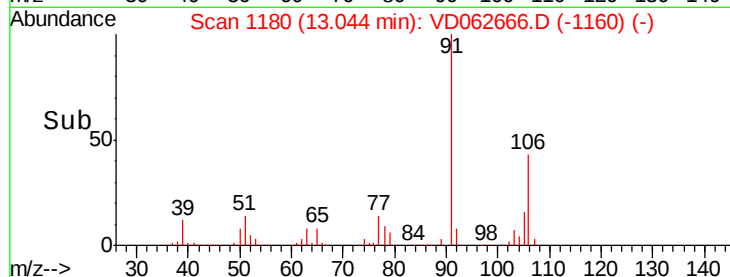
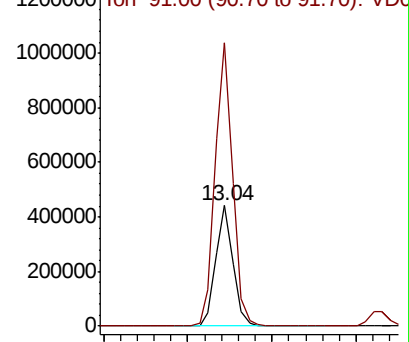
#69
o-Xylene
Concen: 53.886 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion:106 Resp: 626672
Ion Ratio Lower Upper
106 100
91 234.9 124.1 372.1

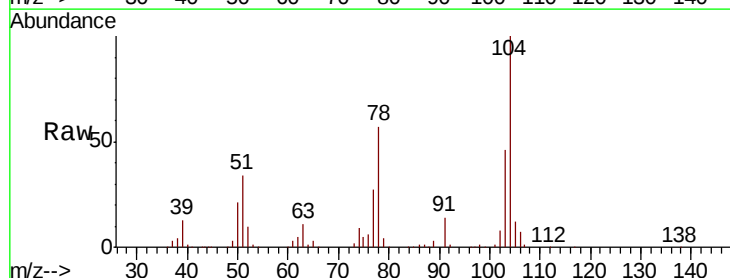


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

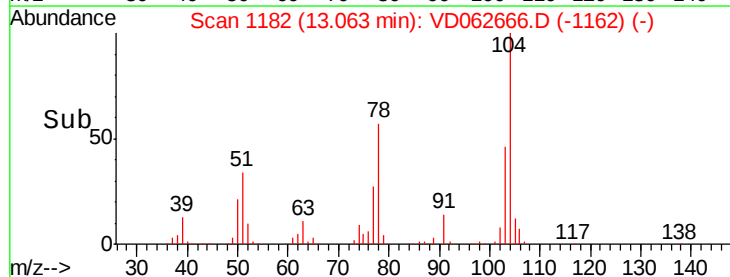
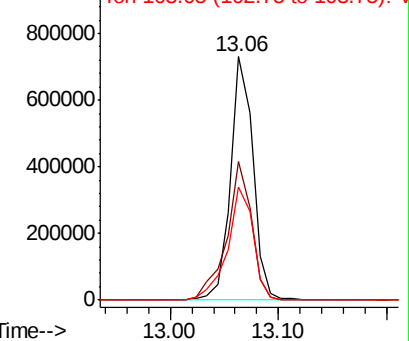


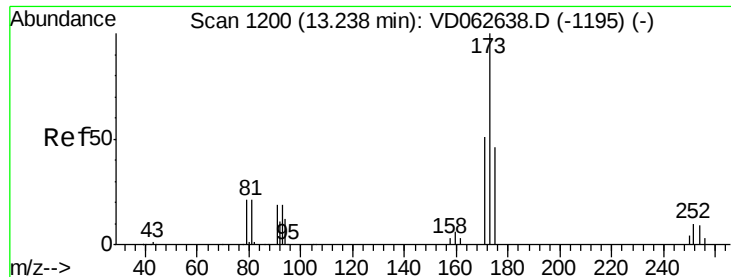
#70
Styrene
Concen: 50.772 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion:104 Resp: 1053537
Ion Ratio Lower Upper
104 100
78 57.0 45.9 68.9
103 46.4 38.4 57.6



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

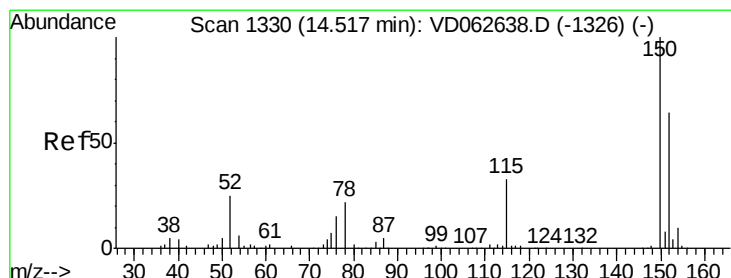
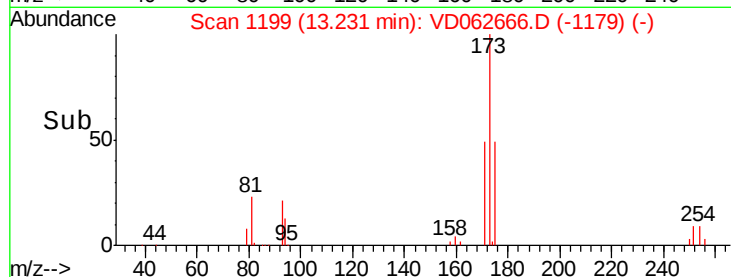
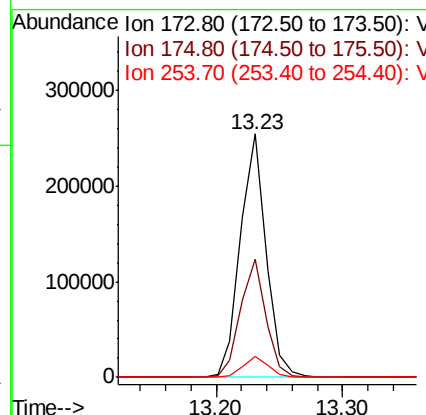
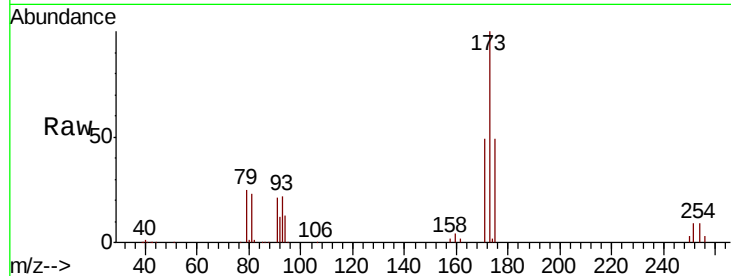




#71
Bromoform
Concen: 48.289 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

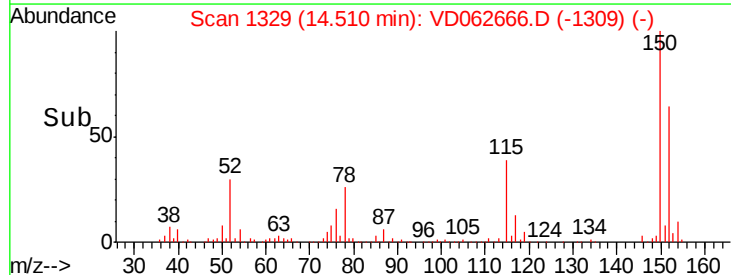
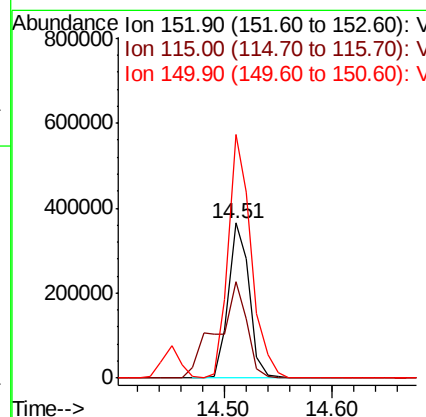
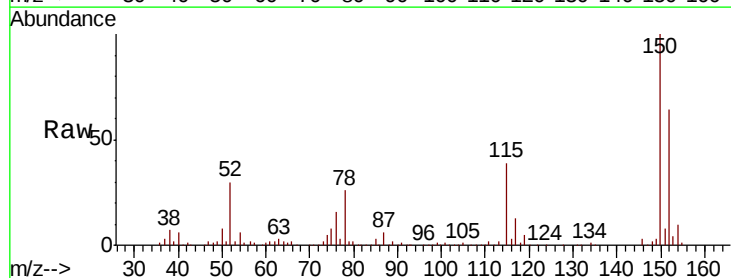
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

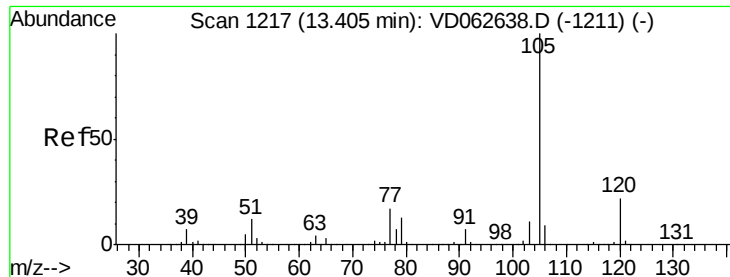
Tot Ion:173 Resp: 358161
Ion Ratio Lower Upper
173 100
175 48.7 22.9 68.7
254 8.7 7.0 10.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion:152 Resp: 488116
Ion Ratio Lower Upper
152 100
115 62.0 30.1 90.5
150 157.0 0.0 314.0





#73

Isopropylbenzene

Concen: 48.828 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

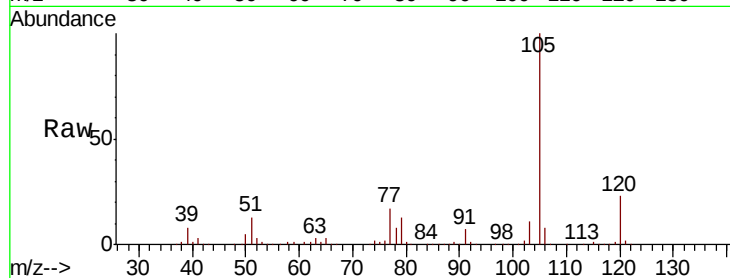
VSTDCCC050

Tot Ion:105 Resp: 1679914

Ion Ratio Lower Upper

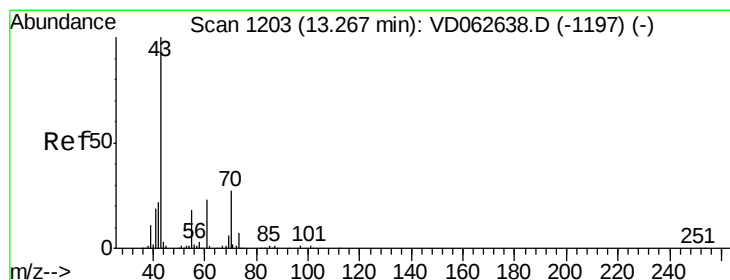
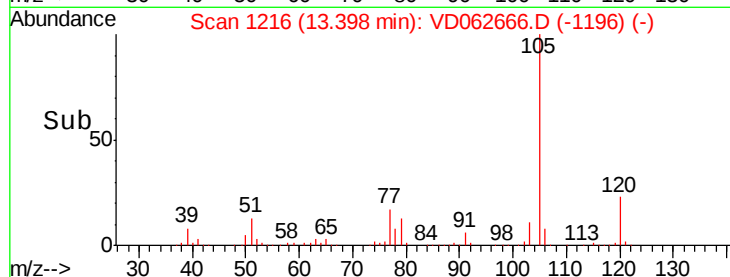
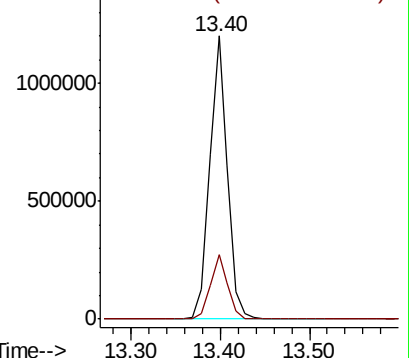
105 100

120 22.6 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 54.451 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Tgt Ion: 43 Resp: 506291

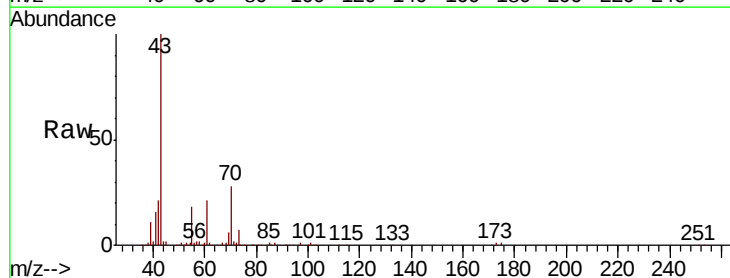
Ion Ratio Lower Upper

43 100

70 27.8 21.8 32.8

55 18.2 14.6 21.8

61 20.7 18.4 27.6

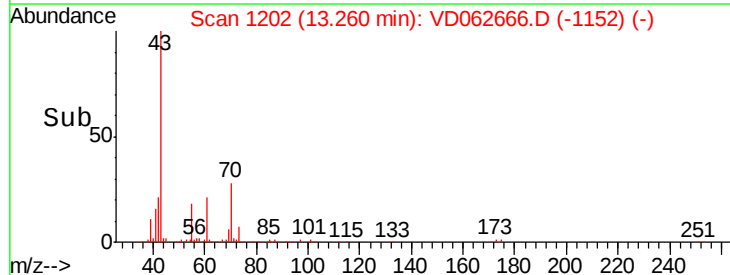
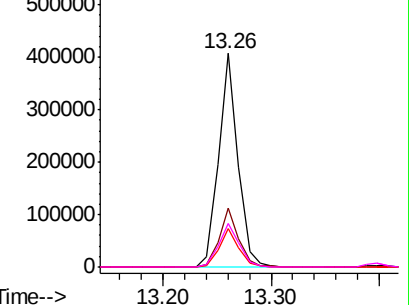


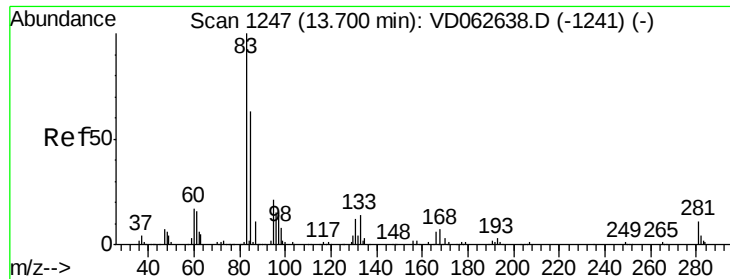
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 53.111 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

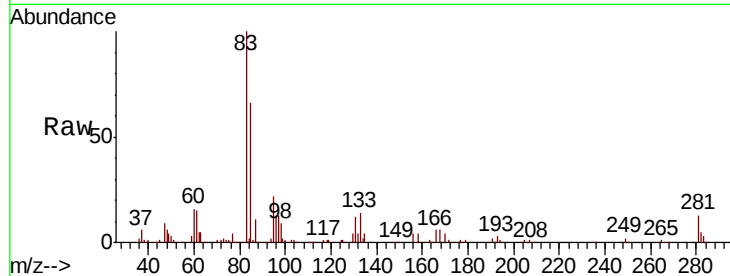
Tot Ion: 83 Resp: 312661

Ion Ratio Lower Upper

83 100

131 12.1 5.9 17.7

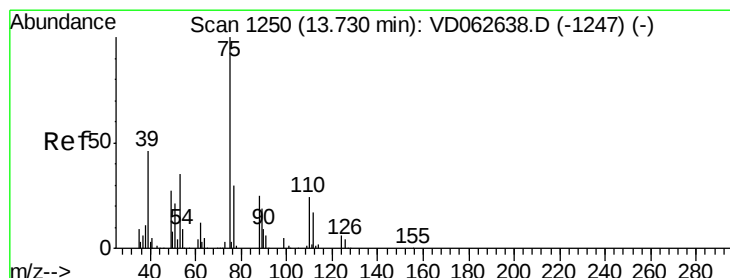
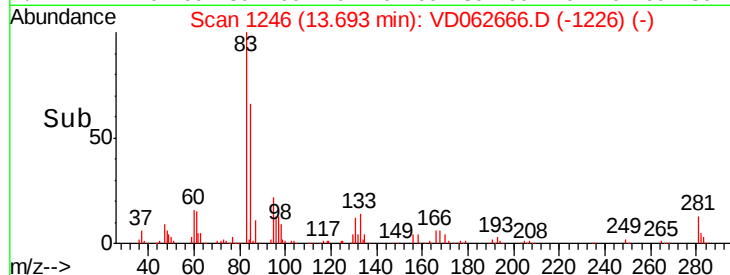
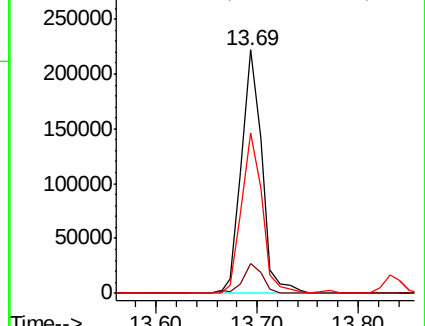
85 66.1 31.3 93.9



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 51.580 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD062666.D

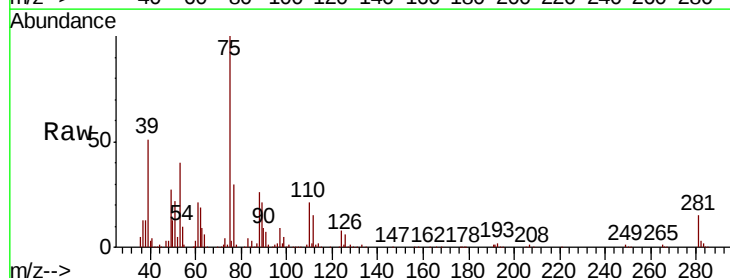
Acq: 12 Jun 2019 11:12

Tgt Ion: 75 Resp: 341373

Ion Ratio Lower Upper

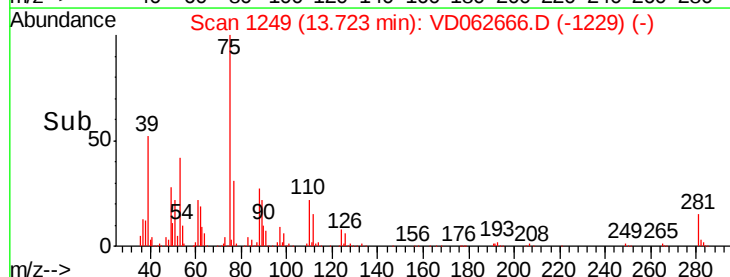
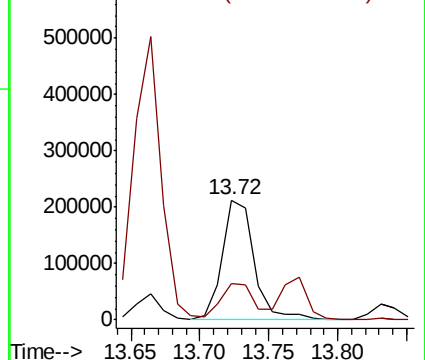
75 100

77 30.2 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 53.816 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

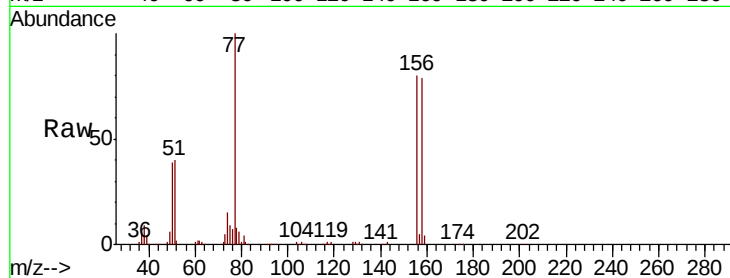
Tot Ion:156 Resp: 529201

Ion Ratio Lower Upper

156 100

77 125.0 56.3 168.8

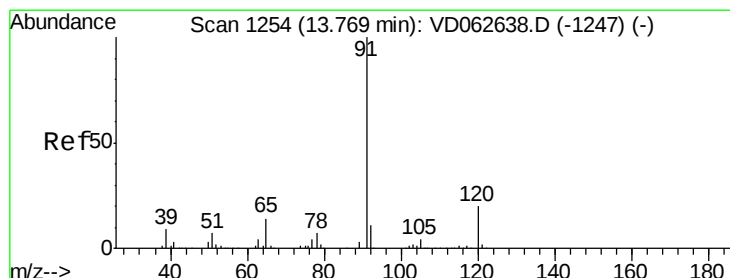
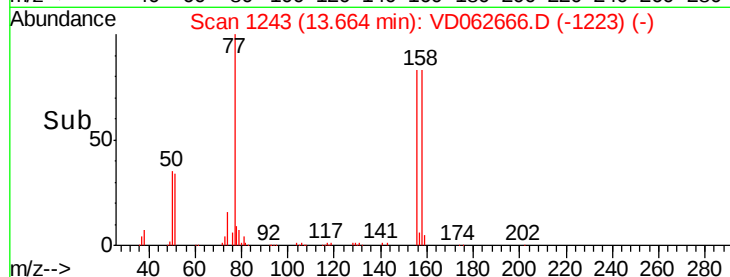
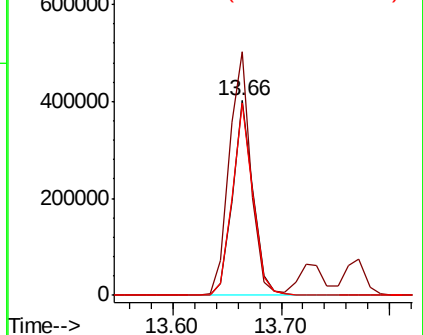
158 99.0 49.6 148.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 50.689 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD062666.D

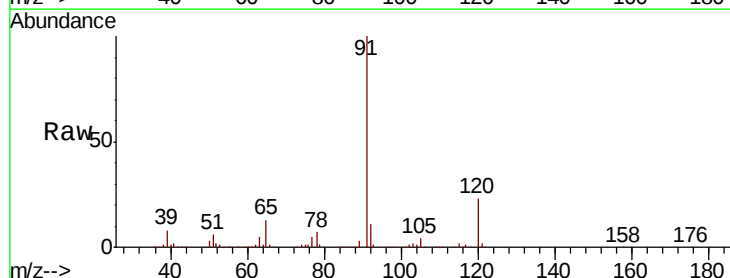
Acq: 12 Jun 2019 11:12

Tgt Ion: 91 Resp: 2134702

Ion Ratio Lower Upper

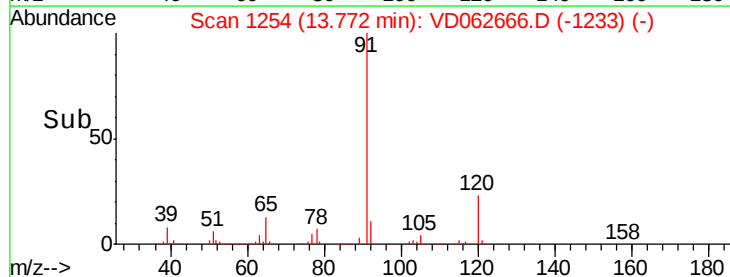
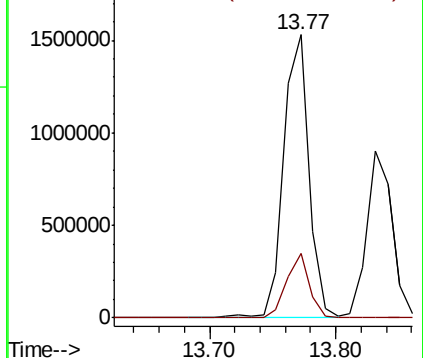
91 100

120 22.6 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

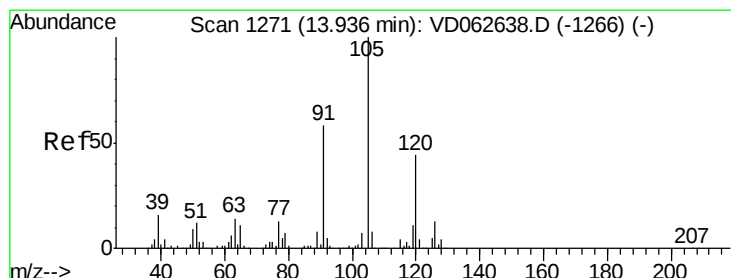
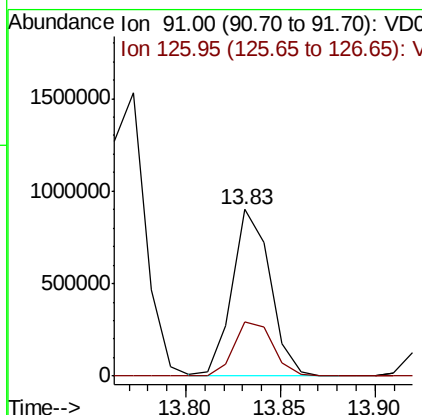
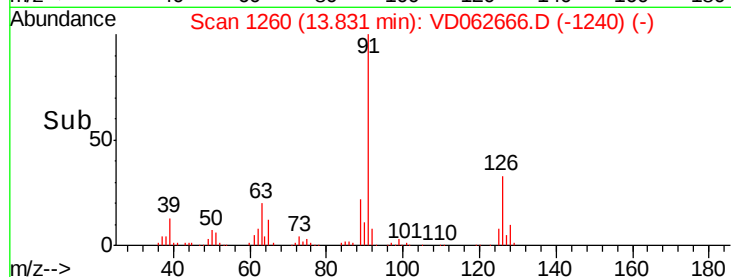
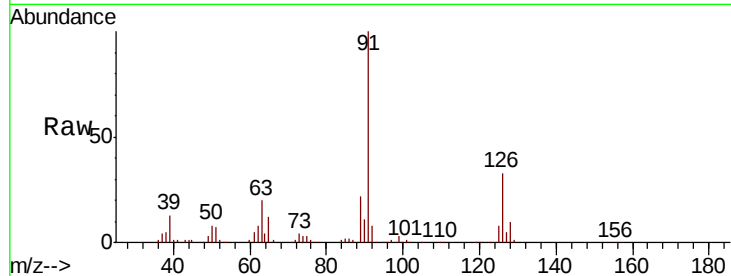




#79
 2-Chlorotoluene
 Concen: 50.572 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

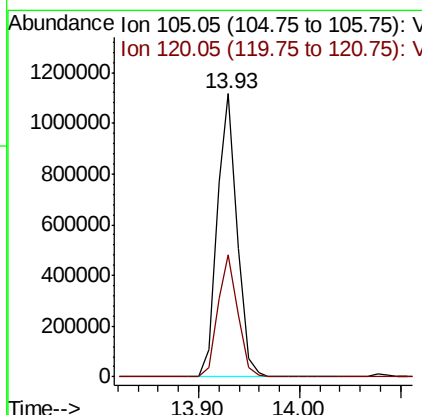
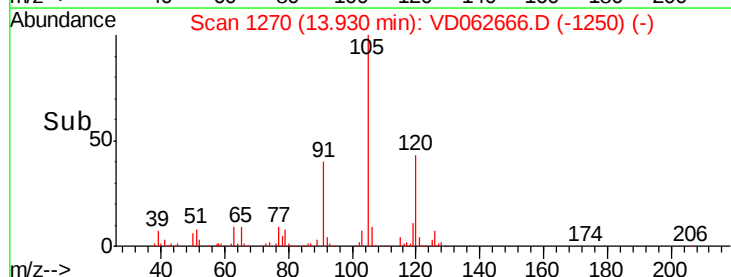
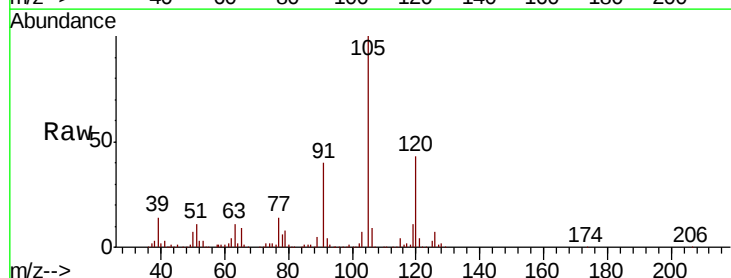
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

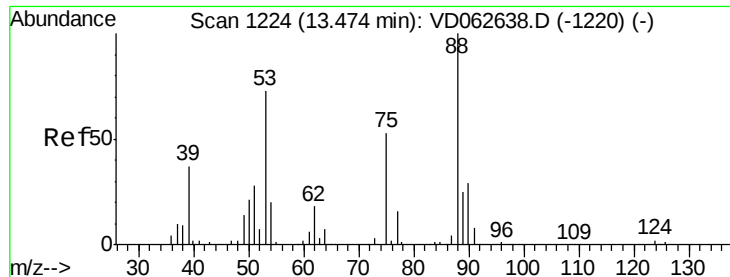
Tot Ion: 91 Resp: 1247011
 Ion Ratio Lower Upper
 91 100
 126 32.5 15.8 47.4



#80
 1,3,5-Trimethylbenzene
 Concen: 50.425 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

Tgt Ion: 105 Resp: 1533260
 Ion Ratio Lower Upper
 105 100
 120 43.2 22.1 66.5

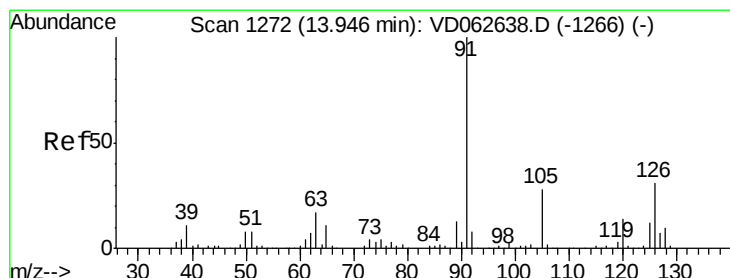
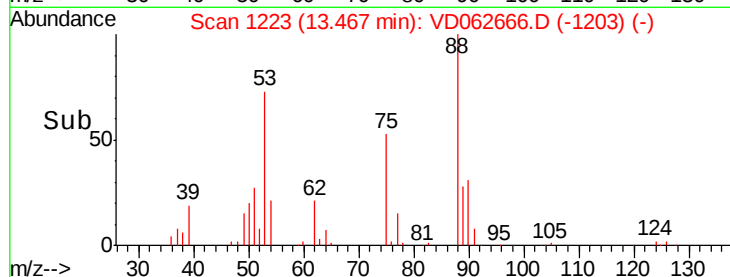
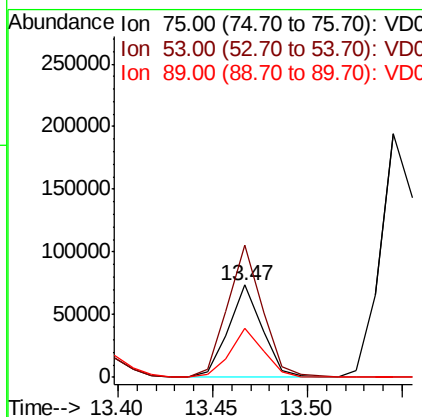
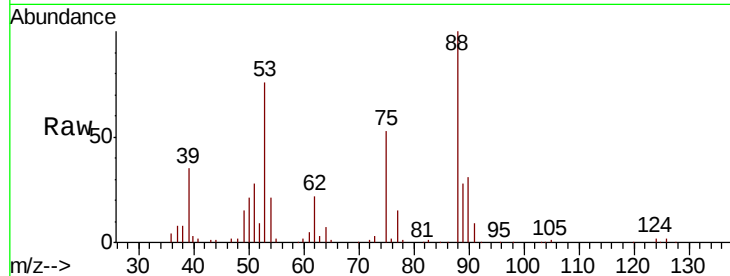




#81
trans-1,4-Dichloro-2-butene
Concen: 46.927 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

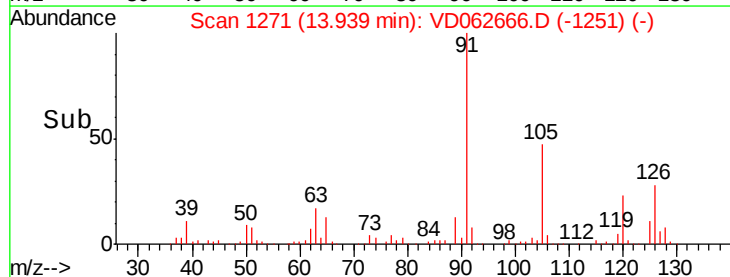
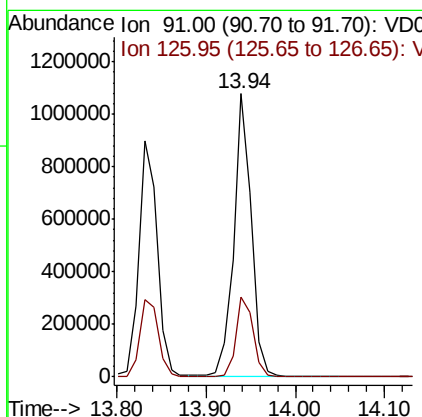
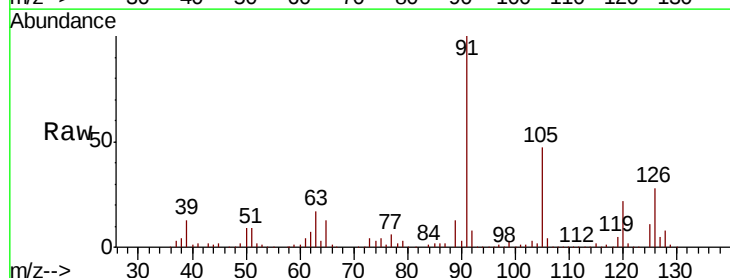
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 91595
Ion Ratio Lower Upper
75 100
53 143.0 109.4 164.2
89 52.5 37.0 55.6



#82
4-Chlorotoluene
Concen: 50.796 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion: 91 Resp: 1497913
Ion Ratio Lower Upper
91 100
126 28.2 15.6 46.8





#83

tert-Butylbenzene

Concen: 56.753 ug/l

RT: 14.19 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

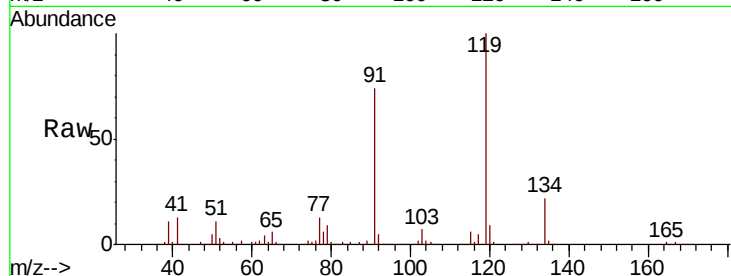
Tot Ion:119 Resp: 1903321

Ion Ratio Lower Upper

119 100

91 74.4 35.4 106.1

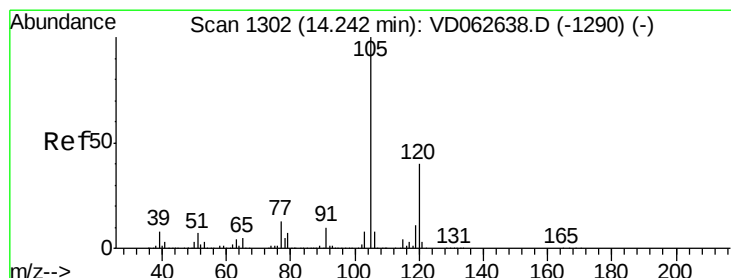
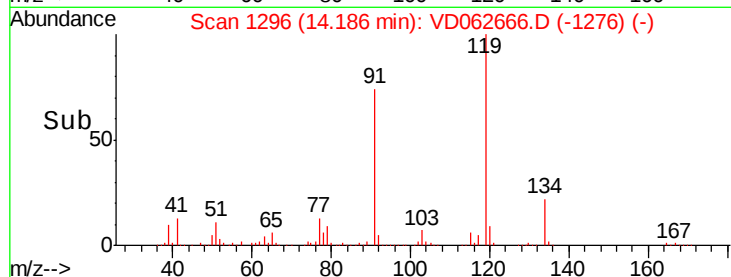
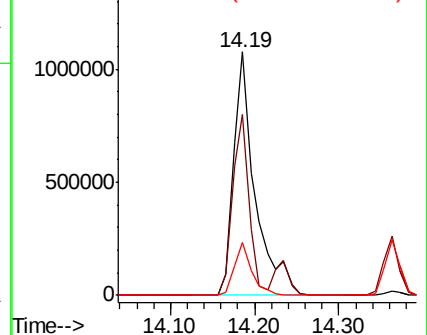
134 21.5 10.8 32.3



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 56.294 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD062666.D

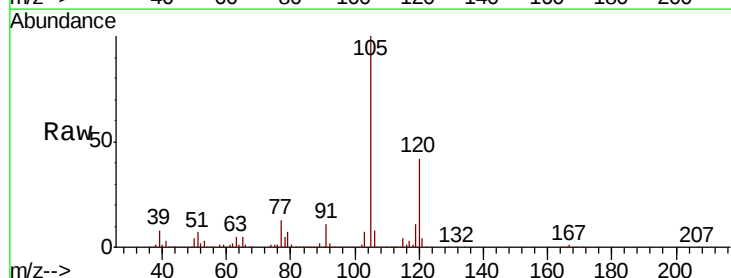
Acq: 12 Jun 2019 11:12

Tgt Ion:105 Resp: 1694781

Ion Ratio Lower Upper

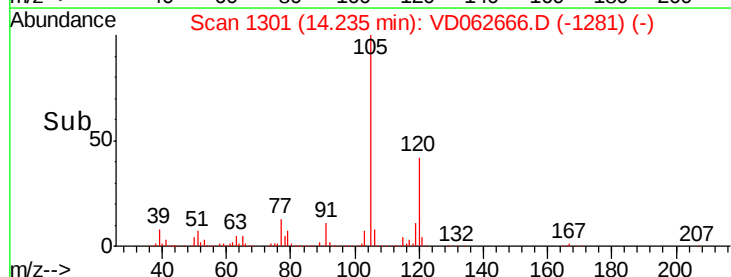
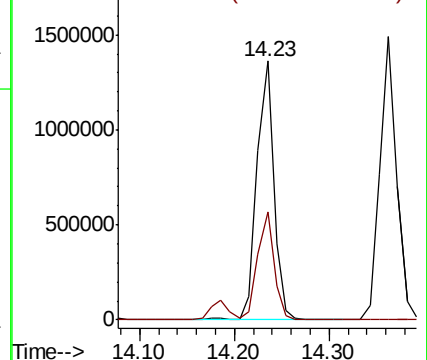
105 100

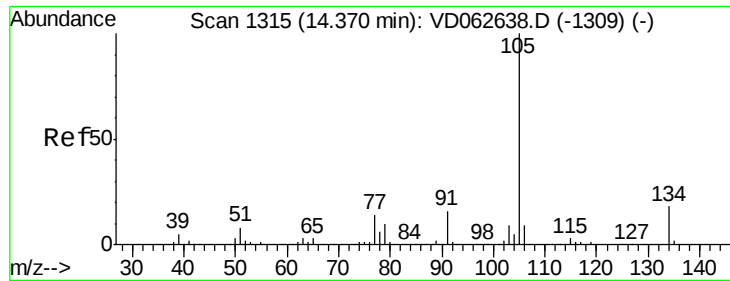
120 41.5 20.3 60.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

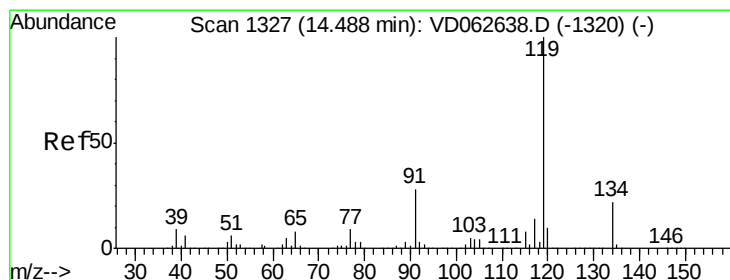
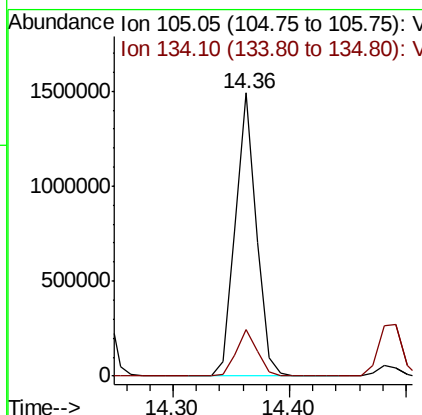
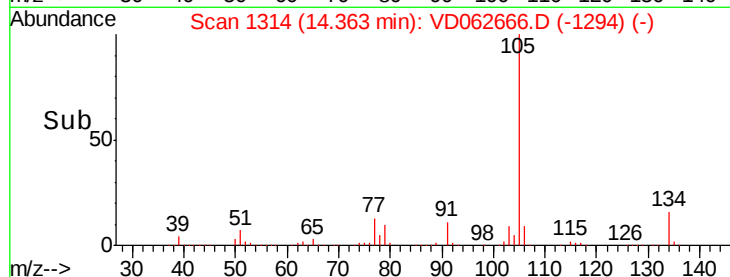
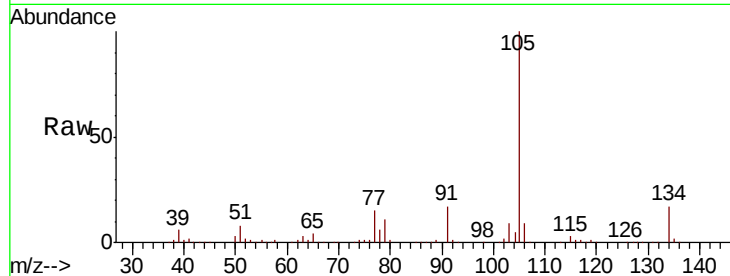




#85
 sec-Butylbenzene
 Concen: 53.031 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

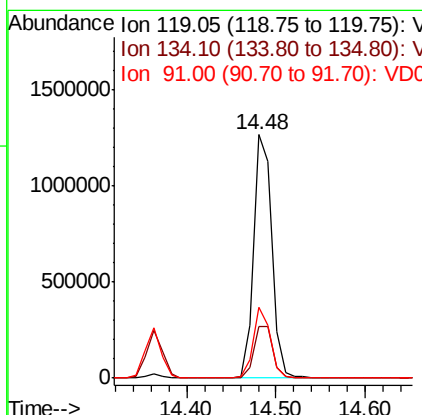
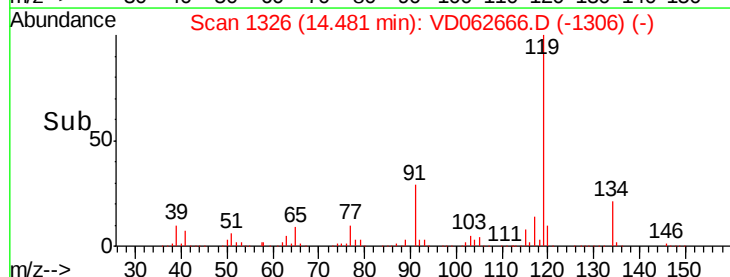
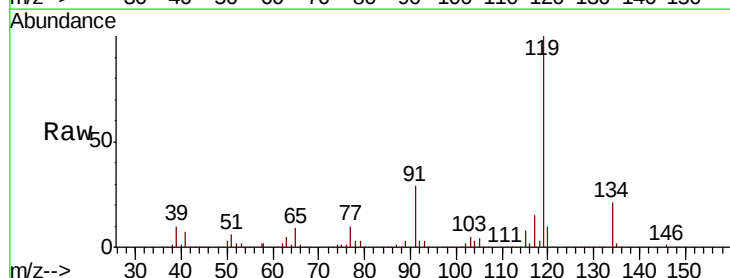
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

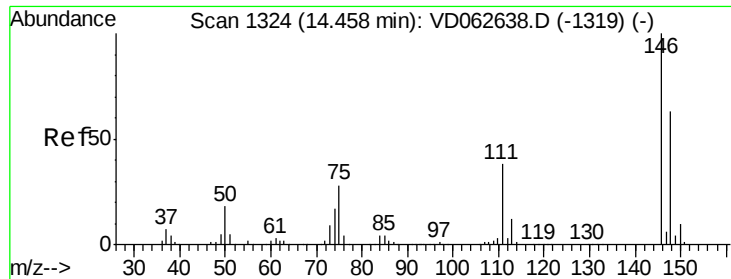
Tot Ion:105 Resp: 1864927
 Ion Ratio Lower Upper
 105 100
 134 16.5 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 51.195 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

Tgt Ion:119 Resp: 1752884
 Ion Ratio Lower Upper
 119 100
 134 21.1 10.9 32.6
 91 29.3 13.9 41.6

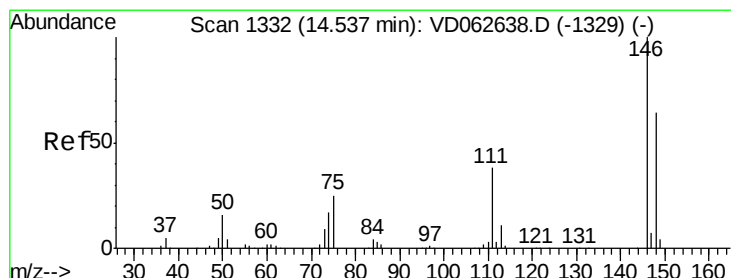
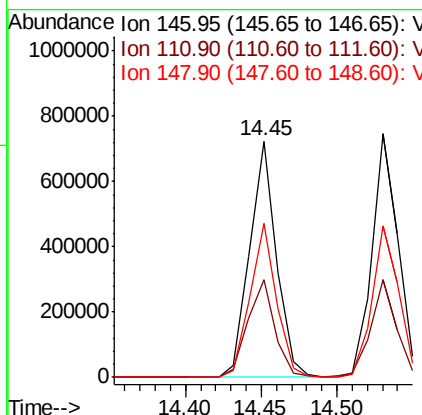
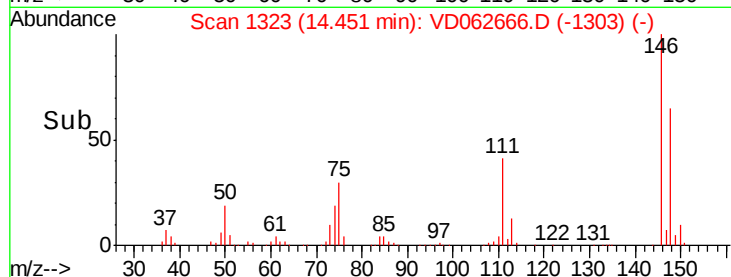
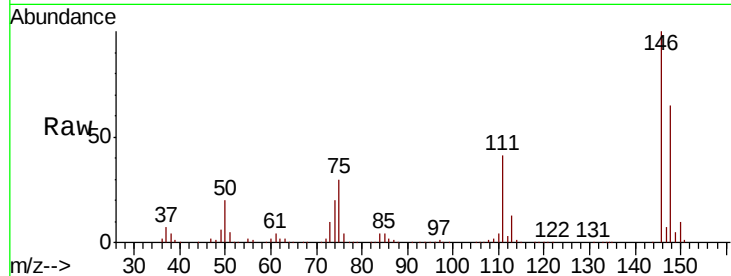




#87
 1,3-Dichlorobenzene
 Concen: 50.068 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

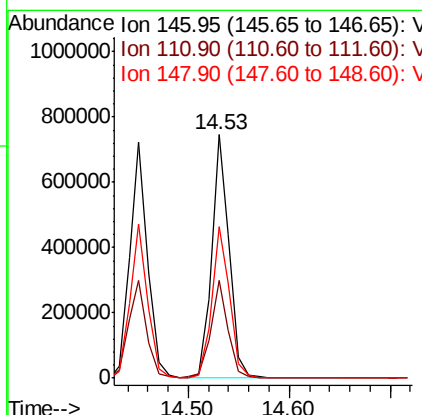
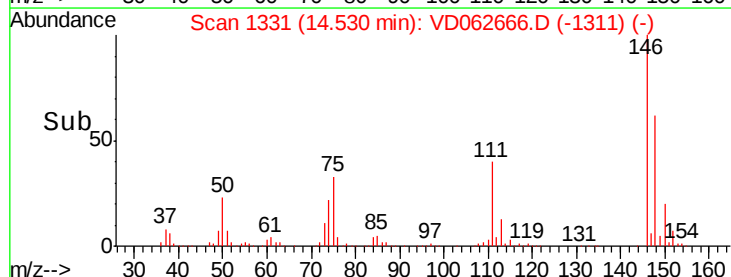
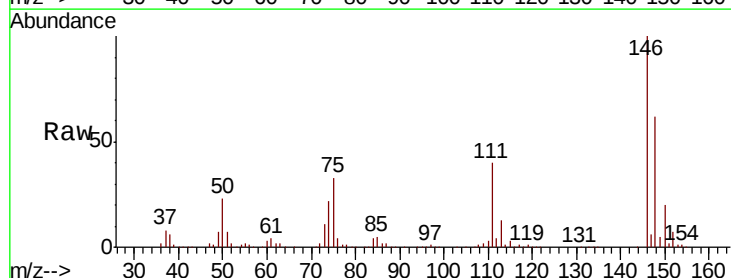
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 891922
 Ion Ratio Lower Upper
 146 100
 111 41.2 19.2 57.6
 148 65.2 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 53.398 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

Tgt Ion:146 Resp: 898982
 Ion Ratio Lower Upper
 146 100
 111 40.3 18.9 56.7
 148 62.4 32.3 96.8





#89

n-Butylbenzene

Concen: 52.426 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

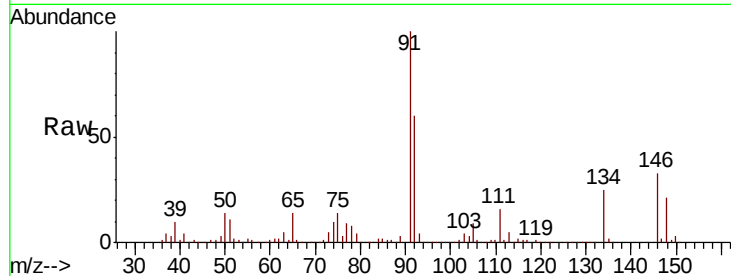
Tot Ion: 91 Resp: 1614868

Ion Ratio Lower Upper

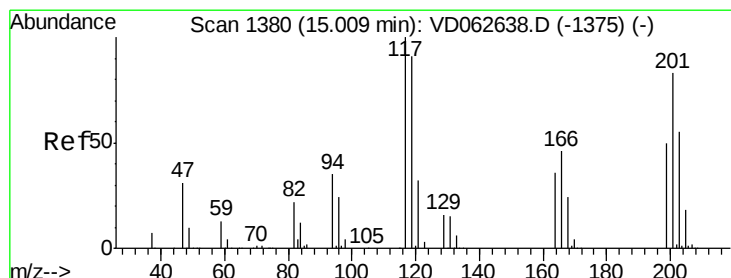
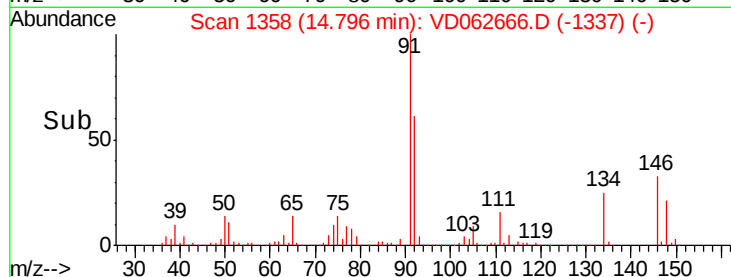
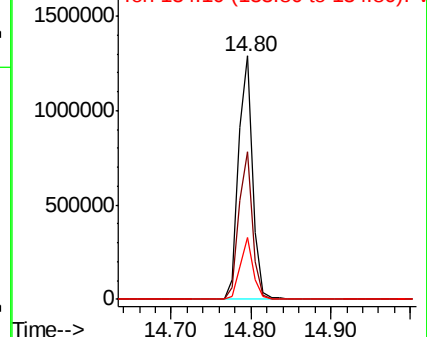
91 100

92 60.5 29.4 88.3

134 25.3 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 54.560 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD062666.D

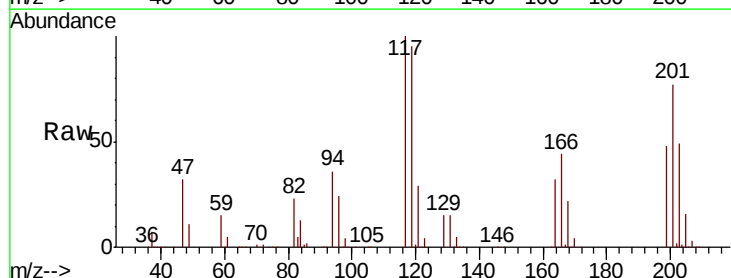
Acq: 12 Jun 2019 11:12

Tgt Ion: 117 Resp: 493177

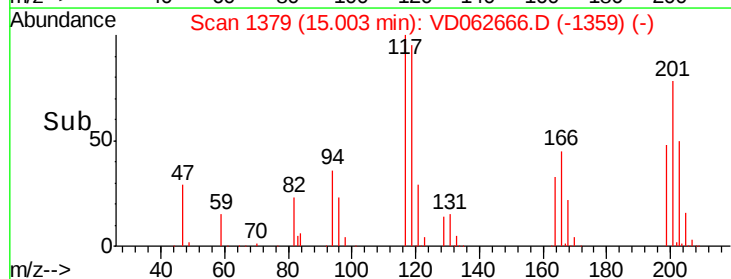
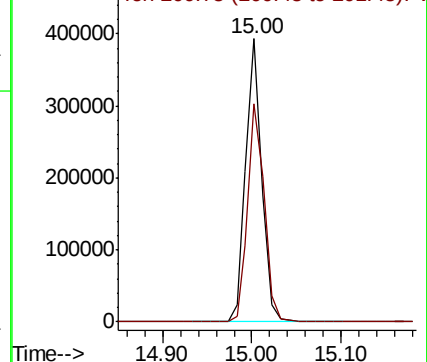
Ion Ratio Lower Upper

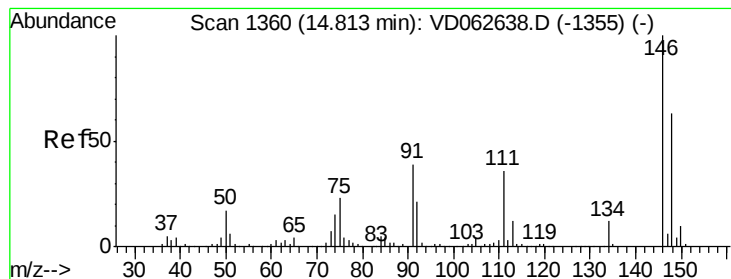
117 100

201 77.3 41.5 124.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 51.986 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

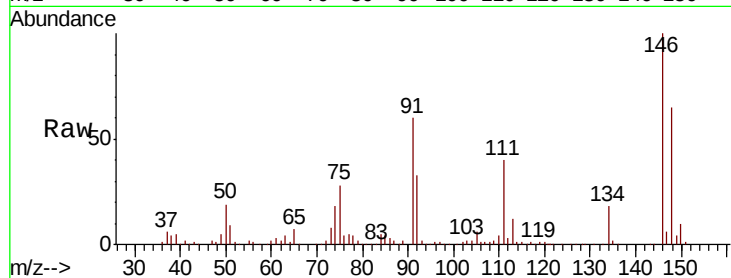
Tot Ion:146 Resp: 769826

Ion Ratio Lower Upper

146 100

111 40.1 18.1 54.3

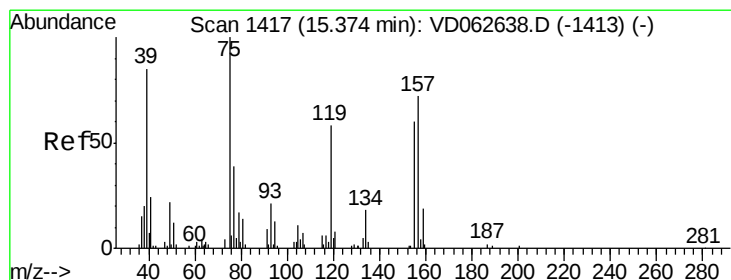
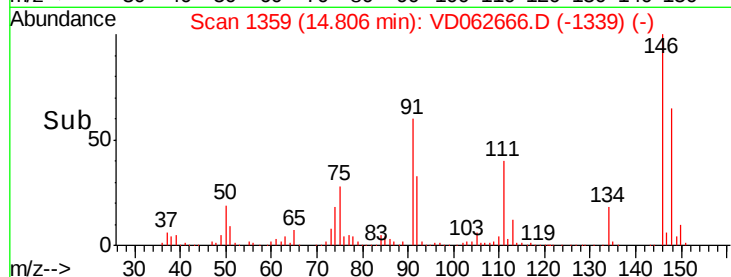
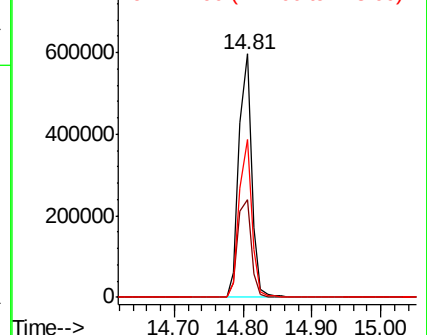
148 64.7 31.4 94.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.530 ug/l

RT: 15.38 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

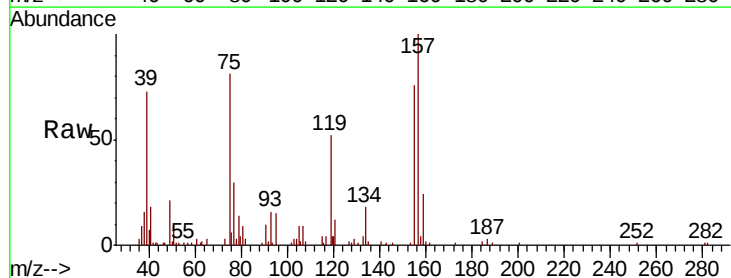
Tgt Ion: 75 Resp: 62282

Ion Ratio Lower Upper

75 100

155 94.5 30.1 90.5#

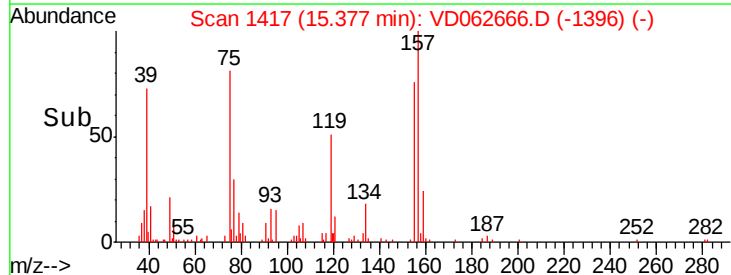
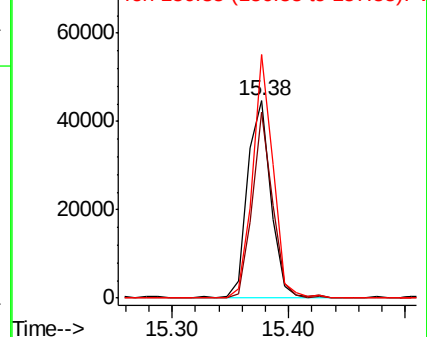
157 123.6 35.9 107.8#

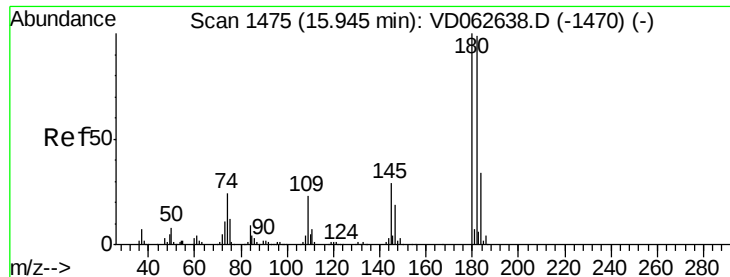


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

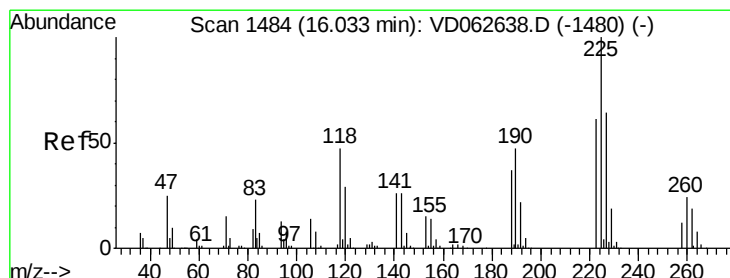
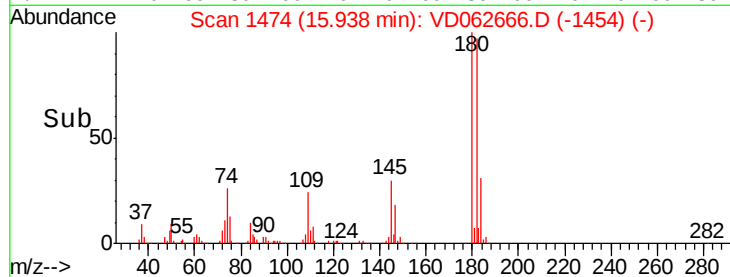
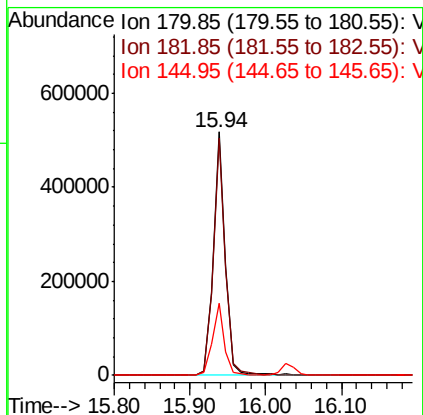
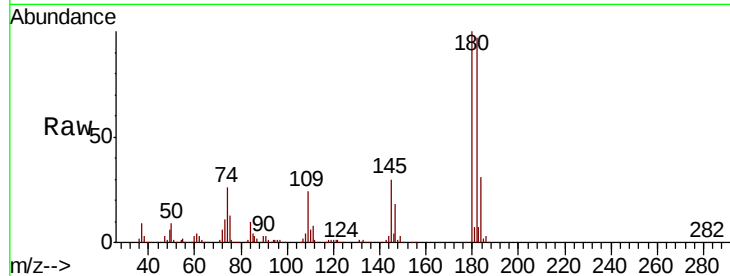




#93
 1,2,4-Trichlorobenzene
 Concen: 46.746 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

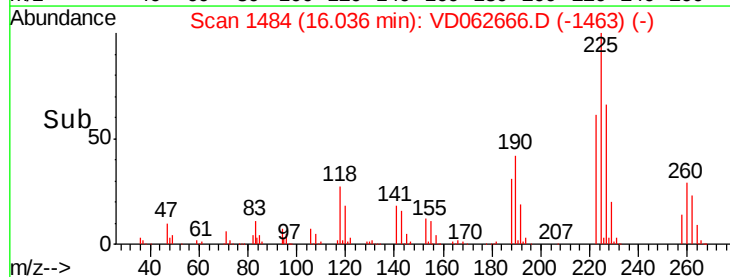
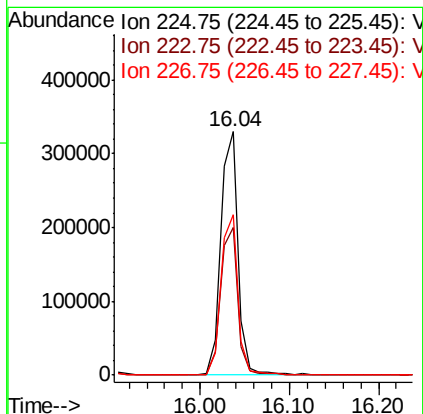
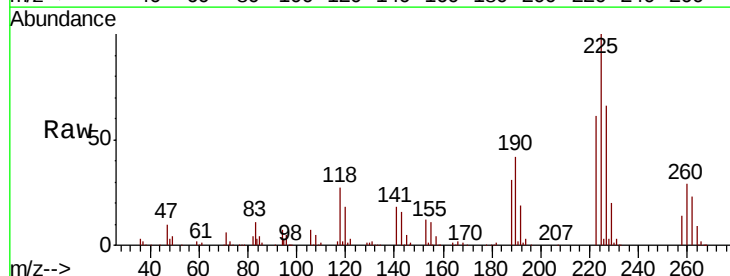
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

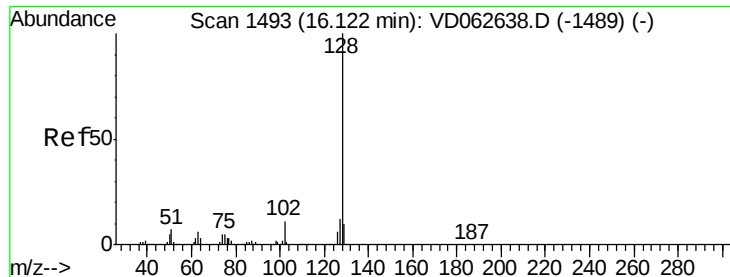
Tot Ion:180 Resp: 584090
 Ion Ratio Lower Upper
 180 100
 182 97.2 49.4 148.2
 145 29.5 14.5 43.6



#94
 Hexachlorobutadiene
 Concen: 51.684 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

Tgt Ion:225 Resp: 451872
 Ion Ratio Lower Upper
 225 100
 223 60.6 30.3 91.0
 227 65.7 31.8 95.4





#95

Naphthalene

Concen: 46.263 ug/l

RT: 16.12 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

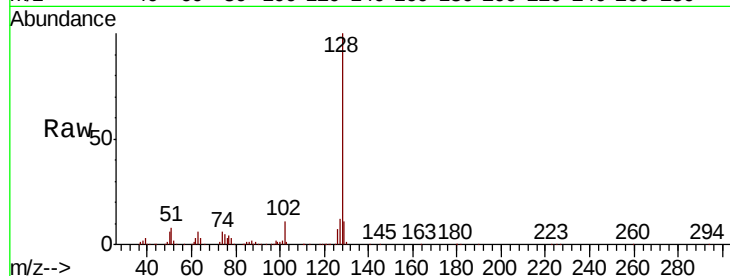
Tot Ion:128 Resp: 814474

Ion Ratio Lower Upper

128 100

127 11.9 9.7 14.5

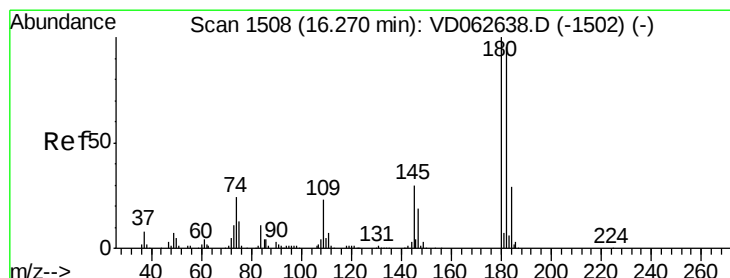
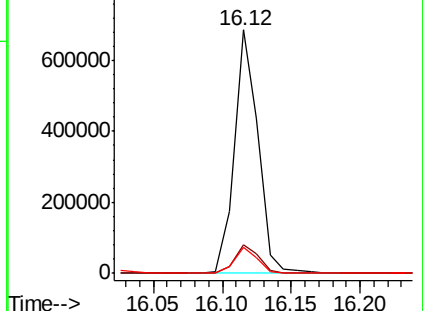
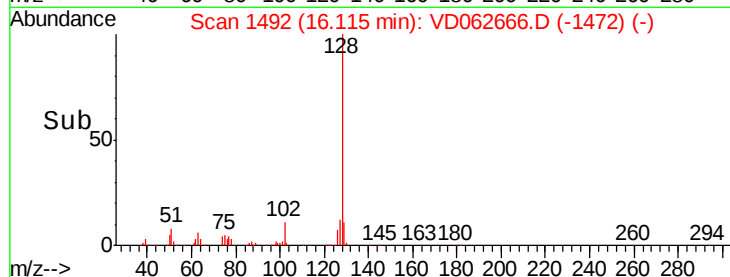
129 10.8 8.1 12.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.659 ug/l

RT: 16.26 min Scan# 1507

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

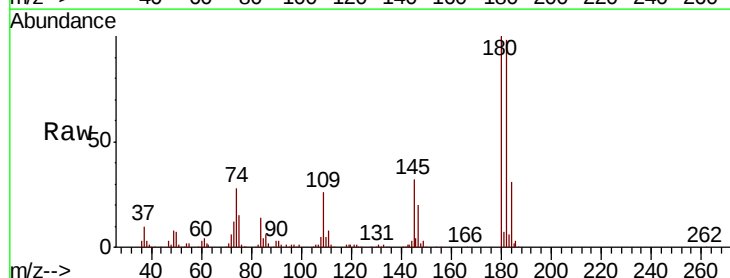
Tgt Ion:180 Resp: 449153

Ion Ratio Lower Upper

180 100

182 97.9 47.7 143.1

145 32.5 15.0 45.0



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

